ANNUAL REPORT

DEPARTMENT

OF

TRANSPORTATION

AND

PUBLIC WORKS

YEAR ENDED MARCH 31, 1989

90-05399/

HON. ROBERT MORRISSEY
Minister of Transportation and Public Works

To His Honour
The Honourable Lloyd G. MacPhail
Lieutenant Governor of Prince Edward Island

May it Please Your Honour:

I respectfully submit herewith, for the information of Your Honour and Legislature of Prince Edward Island, the Annual Report of the Department of Transportation and Public Works for the fiscal year ended 31 March 1989.

I have the honour to be, Sir

Your obedient servant,

Robert Morrissey

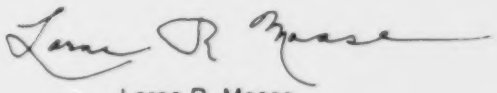
Robert Morrissey
Minister

The Honourable Robert M. Morrissey
Minister of Transportation & Public Works
Province of Prince Edward Island

Sir:

I am pleased to submit to you the Annual Report of the Department of Transportation & Public Works for the fiscal year ended 31 March 1989. The activities of the respective Divisions are recounted in the following pages of the Report.

Respectively submitted,



Lorne R. Moase
Deputy Minister

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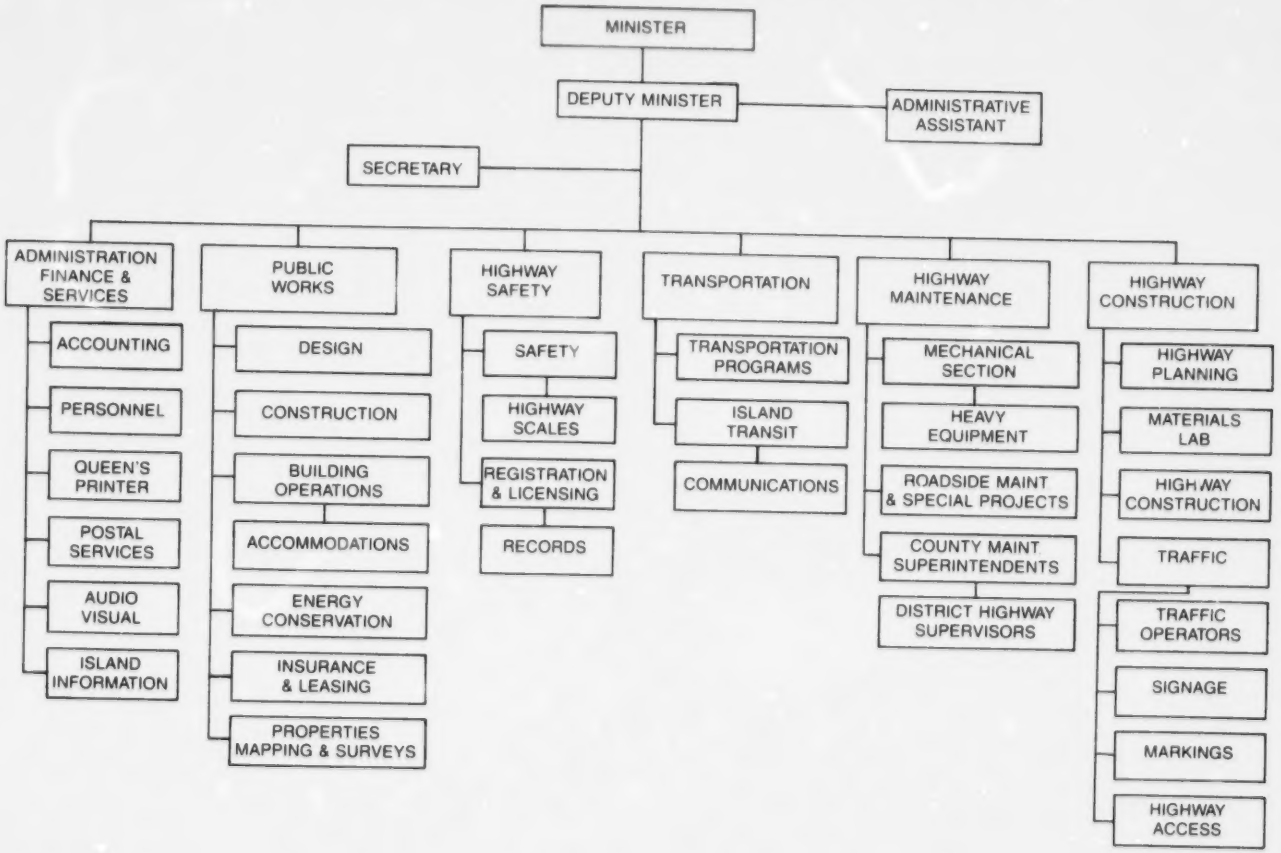
DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS



PERSONNEL

Minister, Transportation & Public Works	Hon. Robert Morrissey
Administrative Assistant	JoAnn McQuaid
Deputy Minister, Transportation & Public Works	Lorne R. Moase
Secretary	Michelle MacDonald
ADMINISTRATION, FINANCE & SERVICES DIVISION	P.J. Murphy
Accounting	Robert Clow
Personnel	Verna Buchanan
Management Information	Richard Brown
Queens Printer	Gordon Babineau
Postal Services	Gordon Babineau
Audio Visual	Brien Willoughby
Island Information Services	Frank Arsenault
PUBLIC WORKS DIVISION	Joseph Caswell
Design	Foster Miller
Construction	Richard MacKinnon
Building Operations	Eric Arsenault
Leasing	Keith Mollison
Accommodations	Milan Radanovich
Properties & Surveys	Paul Knox
HIGHWAY SAFETY DIVISION	Glen Beaton
Registration and Licensing	Joseph Gallant
Systems Development & Quality Control	John MacDonald
Safety	Foch McNally
TRANSPORTATION DIVISION	Kenneth MacKenzie
Transportation, Communications and Island Transit	

HIGHWAY MAINTENANCE DIVISION	George Trainor
Heavy Equipment & Snow Removal	Cyrus MacEachern
Roadside Maintenance & Special Projects	Leonard Williams
Prince County Superintendent	Wayne Peters
District Highway Supervisors	
- Prince 1	Brenton Phillips
- Prince 2	George Frizzell
- Prince 3	Keith Subsbury
- Prince 4	Alastair MacLeod
- Prince 5	Alden Ryder
Queens County Superintendent	James Molyneaux
District Highway Supervisors	
- Queens 1	Donald Dickieson
- Queens 2	Clayton Coles
- Queens 3	Bennett MacIsaac
- Queens 4	Richard Rooney
- Queens 5 & 6	Leonard McCabe
Kings County Superintendent	Rodney Walsh
District Highway Supervisors	
- Kings 1	George Saville
- Kings 2	Robert Rowell
- Kings 3	Bernard Koke
- Kings 4	Irving Mackay
- Kings 5	George MacPherson
Mechanical - Charlottetown	Herbert MacDougall
Mechanical - Summerside	Eric Campbell
HIGHWAY CONSTRUCTION DIVISION	Thomas W. Walker
Highway Planning	Mike Bailey
Soils Lab	Lee Bell
Construction	Arthur Garrett
Traffic, Signage & Marking	Allan Bartlett

ADMINISTRATION, FINANCE AND SERVICES DIVISION

ADMINISTRATION AND FINANCE SECTION

The Administration and Finance Section is responsible for the financial and personnel services of the Department. This includes the preparations of the annual budget, budget control, departmental accounting, purchasing, inventory control, payroll, management information systems and other related administrative support functions.

The division consists of the Director, four accounting support staff, three personnel support staff, two management information staff and a receptionist.

AUDIO VISUAL SECTION

Audio Visual Services supplies audio and video services to all Government Departments, Agencies, Commissions and Crown Corporations; and is responsible for maintenance of all government, school board and Holland College audio visual equipment. Services include production, graphics and short term loan of equipment.

A computerized master inventory of all audio visual equipment owned by government is controlled by the centre. All new purchases are approved by Audio Visual and the process is aimed at ensuring that government departments obtain the best and most effective equipment for their specific needs. At the same time, Audio Visual can advise on duplication within departments and standardization of equipment to ensure repairability (i.e. availability of parts).

In January, 1989, the Photographic Services were transferred from IIS to Audio Visual increasing the Audio Visual staff by two positions.

New recording equipment was installed in the five court rooms in Charlottetown in an effort to improve the recording quality. The recording equipment was removed from the Summerside Court House and installed in temporary facilities at St. Eleanors.

Statistics for year ending March 1989

Total short term equipment loans	1,734
School preventative maintenance & Holland College	1,398
School Unit equipment delivered for repair	750
Holland College equipment delivered for repair	120
Government equipment delivered for repair	425

There were 76 service calls made to schools, government offices, etc. which were made for a total of 300 man hours of work. The 'on call' maintenance service for the court recording systems required approximately 30 visits by service personnel during the year. The legislative recording system has continued to operate excellently.

The graphic section completed 315 projects. Major ones included new draw up for the Provincial Election, maps for Justice, signage and logos to start Nursing Teen Line, six large booklets requiring a lot of cartooning and freehand drawing, sixteen overhead shows and an increase in slide shows to eight.

The production section was responsible for the following:

Video Productions	50
Video Workshops	24
Film & Edit Sessions	196
Audio Tracks & Promos	65
Slide Shows	10
Radio Programs	10
Video Dubbing Requests	345

There has been a steady increase in requests for conference taping with the increase in Legislative Committee Meetings, Land Use Appeals, Classification Appeals and information meetings held Island wide. i.e. Social Services, Education.

An increased demand for use of 1/2" video equipment both playback and recording as well as taping was experienced.

ISLAND INFORMATION SERVICES DIVISION

Island Information Service assists Provincial Government Departments, Agencies, Corporations, and Commissions prepare and distribute information regarding their programs, services and other activities of interest to the public.

The Director, Frank Arsenault retired in January, 1989 after twelve years of service.

The media are the main channel for information from government. IIS supplies a newswire service to the following Island news outlets: CBC, ATV, CHTN, CFCY, CJRW, the Guardian and Patriot, and the Journal-Pioneer. Press releases relating to government related events are distributed over this service. The same information is mailed to other media and interested parties. IIS distributed 1,510 releases between April 1, 1988 and March 31, 1989.

The Photographic service was transferred to the Audio-Visual Section on January 1, 1989. The provincial photographer, George Wotton, retired on May 1, 1988 after 17 years of service.

The PEI government telex machine and telecopier machine are run by IIS. During the past year our operators handled 17,013 incoming and outgoing messages over these machines.

Island Information Service is also responsible for answering mail inquiries, phone inquiries, and requests from walk-in clients, about Prince Edward Island and its government. Over 5,000 requests are answered by mail during the year.

At its location in the basement of the Jones Building, 11 Kent Street, IIS continues to stock all provincial acts and regulations and many other government publications. During the year total sales from government publications amounted to $5,156.00.

Updates are provided by IIS for Prince Edward Island entries in various encyclopedias, almanacs, yearbooks and directories. IIS also prepares the Provincial Government Services Directory, the Quick Reference Guide, the Provincial Government Monthly Publications Checklist, Notes on PEI, and a Directory of Island Organizations, Clubs and Associations.

In December 1983, Island Inquiries was established as part of IIS. Island Inquiries is a bilingual telephone information and referral service dealing with programs and services offered by the federal and provincial governments. The contract was renewed for three years effective April 1, 1989.

POSTAL SECTION

The Postal Service is responsible for all government mail including couriers to government buildings in Charlottetown and the four Regional Service Centres. The objective of the section is to provide an efficient mail service taking advantage of all options.

The increase in total postage used of $101,055.71 is attributed to the cost of Tourism Kits distributed by Brunswick Brokers Inc. for the Department of Tourism plus the overall increase of mail by most government departments.

The amount of postage revenue recovered for the year totalled $15,656.71.

The following is the mass mailing total for the four machines listed:

Decollator	3,180,950
Detacher	1,805,300
Folder	680,831
Inserter	282,196

TOTAL POSTAGE USED - 1/04/88 to 31/03/89

DEPARTMENT,ETC.	METER	P.P.I.C.	P.D.	CERT.	TOTAL	%
Tourism & Parks	17,201.77	-	32.86	-	17,234.63	2.4
Tourist Bureau	27,422.13	128,806.32	37.22	3,255.00	*219,602.86	30.0
Finance	12,525.45	-	44.42	1,240.00	13,809.87	1.9
Tax	53,757.90	8,287.91	6.02	4,259.40	66,311.23	9.1
Accounting	39,458.55	-	4.83	1,934.05	41,397.43	5.7
Health & Social Services	91,318.81	12,452.78	139.47	15.50	103,926.56	14.2
Transportation & Public Works	28,010.89	-	14.48	-	28,025.37	3.8
Highway Safety	14,594.37	-	18.24	4,727.50	19,340.11	2.6
Education	45,027.57	-	0.94	7.75	45,036.26	6.2
Agriculture	36,622.85	-	29.45	93.00	36,745.30	5.0
Community & Cultural Affairs	28,846.08	-	211.26	77.50	29,134.84	4.0
Hospital Ser. Commission	15,456.97	-	163.93	-	15,620.90	2.1
Energy & Forestry	7,132.37	-	2.41	-	7,134.78	0.9
Fisheries	10,953.62	-	-	-	10,953.62	1.5
Justice & Labour	23,739.48	808.44	6.42	2,170.50	26,724.84	3.7
Civil Service Commission	8,762.03	-	11.16	-	8,773.19	1.2
Premiers Office	15,817.43	-	14.80	-	15,832.23	2.2
Industry	8,186.14	-	472.87	-	8,659.01	1.2
Sport P.E.I.	12,905.80	-	-	-	12,905.80	1.7
Other	4,059.37	-	197.31	232.50	4,489.18	0.6
TOTAL	501,799.58	150,355.45	1,408.09	18,012.70	731,658.01	100

*Includes $60,082.19 paid to Brunswick Brokers Inc.

PRINTING SECTION

The Printing Section provides composition, printing and volume copying services for Government Departments, Boards and Commissions, as well as a photocopying service for the three-building administrative complex.

The following publications are produced for distribution and sale:

Royal Gazette
Revised Statutes of Prince Edward Island
Annual Statutes of Prince Edward Island
Legislative Journal of Prince Edward Island
Revised Regulations of Prince Edward Island

Receipts from advertising in the Royal Gazette and the sale of publications totaled $74,515.14. This compares with previous years as follows:

1984-85	$58,636
1985-86	$54,524
1986-87	$79,010
1987-88	$77,415
1988-89	$74,515

During the past year one ITEK 975 Press was purchased to replace a thirteen-year old press that was causing numerous production delays and poor copy quality. We also purchased a standard Duplo Collator that replaced our ten-year old machine.

During the fiscal year 1988-89 the presses produced 1,272 printing orders, representing a total of 9,710,050 sheets through the three job presses, an increase of 3.4%. This figure compares with the previous years as follows:

	Orders	Impressions
1984-85	2,709	8,965,478
1985-86	2,442	7,873,281
1986-87	2,742	8,877,100
1987-88	2,242	9,350,193
1988-89	2,387	9,710,050

The volume copying work is produced on two Xerox 9500 copiers and a Xerox 1090 copier. Copying orders for this section totalled 4,379 as compared to 4,199 orders in the previous year. Comparison to previous years is as follows:

	Orders	Impressions
1984-85	3,221	7,747,984
1985-86	3,236	7,917,587
1986-87	3,310	9,083,836
1987-88	4,199	8,552,404
1988-89	4,379	11,036,613

The convenience copying service for the three-building administrative complex consists of 24 photocopiers. Production for the fiscal year was 3,584,970 copies. By pooling the production totals of the 24 copiers, a lower cost per copy is attained. The current cost is 6.4 cents per copy including paper as compared to 3.5 cents from the previous year. The increase in cost per copy is due to increased paper cost and copier costs.

Comparison with previous years is as follows:

	Impressions	Cost/copy (incl. paper)
1984-85	2,953,957	4.90
1985-86	3,185,468	4.76
1986-87	2,925,338	4.60
1987-88	3,181,719	3.50
1988-89	3,584,970	6.40

Cost of paper increased to 0.70 cents per copy up from 0.60 cents from the previous year.

Distribution of impressions on presses and volume copiers is as follows:

	Presses	Volume Copiers
Agriculture	385,134	763,074
Cabinet Office/Exec.Council	134,770	173,273
Civil Service Commission	363,856	127,561
Community & Cultural Affairs	453,045	700,305
Education	478,420	1,222,482
Energy & Forestry	517,995	145,778
Environment	207,460	-
Legislative Assembly	66,780	-
Finance	413,125	288,735
Fisheries	67,040	125,217
Health & Social Services	799,421	827,372
Housing Authority	29,660	45,157
Industry	144,453	392,661
Justice	734,095	447,433
Labour	270,159	130,210
Tourism & Parks	456,617	268,530
Trans & Public Works	4,116,045	5,298,559
Sport P.E.I.	-	71,581
Miscellaneous	-	8,685
Hospital & Health Services	61,975	-
Totals	9,700,050	11,036,613
Total - PRESS AND VOLUME COPIERS		20,736,663

Distribution of impressions on convenience copiers is as follows:

Accounting	89,141
Agriculture (2 machines)	486,793
Civil Service Commission	124,567
Computer Services	90,000
Community & Cultural Affairs	438,304
Education	216,484
Executive Council	72,500
Fisheries	132,817
Health & Social Services (17 Haviland St. - 2 machines)	268,084
Health & Social Services (Sullivan Bldg. - 2 machines)	687,657
Highway Safety	118,488
Industry	241,589

Island Information Service	90,000
Justice	140,779
Land Valuation & Assessment	90,000
Premier's Office	71,718
Tourism/Energy & Forestry (2 machines)	215,000
Transportation & Public Works (2 machines)	187,500
Treasury Board	168,882
TOTAL	3,930,303

PUBLIC WORKS DIVISION

The Public Works Division consists of the following sections:

Design
Construction
Leasing
Energy Conservation
Properties Surveys and Mapping
Operations and Maintenance

DESIGN SECTION

The Design Section is responsible for carrying out the design work, or coordinating the design work of consultants, required to have building projects constructed. This design work includes the preparation of conceptual plans, the preparation of drawings and specifications required for a complete tender package and the preparation of construction contracts. During the year the following new construction or renovation projects were designed and tenders called:

Montague Office Building
Birchwood High School Addition
Tignish Elementary School
East Wiltshire School Addition
St. Teresa School Addition
Tracadie Cross School Addition/Renovation
Cavendish Visitor Information Center
Spring Park School Window Replacement
Kinkora School Window Replacement
Evangeline School Window Replacement
Eliot River School Addition

Design was also begun during the year on the following projects:

North Shore School
Queen Charlotte High School
Highways Sign Shop
Highways Maintenance Depot
West Prince Regional Services Center Addition
Alberton School Addition
Glen Stewart School Addition
French School/Community Center

CONSTRUCTION SECTION

The Construction Section is responsible for inspecting and supervising the construction of new buildings and renovations to ensure that the contracts are completed according to plans, specifications and budget allocations.

The Construction Section provided contract supervision for a number of projects during the year. Projects completed this year were:

Kensington Intermediate High School Addition & Renovation
Summerside Youth Center
Georgetown Youth Center
Tyne Valley Youth Center
Eliot River School Addition

Projects started but not completed during the year were:

Tignish Elementary School
Birchwood Junior High School Addition & Renovation
Cavendish Visitor Information Centre
Montague Office Complex
St. Teresa School Addition
Tracadie Cross School Addition/Renovation
East Wiltshire School Addition

LEASING SECTION

Leases for government office space in private sector buildings are maintained throughout the province. The following changes occurred during the fiscal year 1988/89:

Leases Expired:

Trowel Trades College - Young Offenders
O'Connor Group Home - Health & Social Services
Kensington Community Center - Agriculture
Old Cavendish School - Tourism & Parks

Leases Entered Into:

Holland College (St. Eleanors Center) - Prince County Courthouse
Heartz-O'Halloran Building - Status of Women
Sherwood Administrative Building - Labour
Lynmore Apartments - Health & Social Services
MacKenzie Group Home - Health & Social Services
Souris Hospital - Health & Social Services
Smith & Sons Railway Shed - Prince County Jail
Windsor Building - Tourism & Parks

ENERGY CONSERVATION SECTION

The Energy Conservation Section, established in September, 1984 to monitor and reduce energy expenditures within Government continues to be a success.

The first phase of this project involved establishing a system of recording and monitoring all energy consumed by Government owned and operated buildings. This system enabled project staff to form a base year of energy consumption which could then be used to record energy trends or discover anomalies in individual building consumption over each following fiscal year.

All reductions in energy usage attained in the first four years were restricted to low-cost measures having less than one year simple payback period.

During this period each year showed a substantial decrease in overall energy consumed as compared to the base year.

A degree-day per year method of weather calculation allows for an accurate comparison of each consecutive year.

This success encouraged the continuation of phase two of the Energy Conservation project which was designed to explore the possibility of more controlled energy management using the advanced technology of DDC (Direct Digital Control) to monitor and control mechanical and electrical systems in larger buildings.

The PAB (Public Administration Buildings) Complex was targeted as the recipient of an Engineering study geared to identify potential savings achievable through the use of DDC.

Honeywell Canada, the controls firm determined to have the package most suited to the complex, conducted a thorough Engineering Analysis of the building use and system operation and identified savings through the addition of the EMCS (Energy Management and Controls System) to be approximately $100,000 per year.

An agreement was negotiated between the Province and Honeywell Canada which would see the entire system purchased, installed and maintained through an innovative financing scheme. Honeywell would purchase, install and maintain an EMCS capable of attaining energy savings identified by the Engineering Study conducted previously by their company.

Cost recovery by Honeywell Canada for the entire project would be achieved solely through actual dollars saved. A cost recovery period was determined through a simple payback calculation in which the project cost divided by achievable savings would equal a set period not to be exceeded.

If savings achieved exceeded original expectations, the payback period could be reduced thus generating additional savings to Government.

Setup of the completed system is expected to take place late in 1989 or early 1990.

Direct Digital Control Technology is now being incorporated into all applicable new construction projects (e.g. schools) undertaken by Public Works.

To facilitate the addition of new buildings and the increased use of present buildings, an updated base year is presently being established to insure continued accuracy of achievable savings.

PROPERTIES AND SURVEYS SECTION

The Properties and Surveys Section is comprised of Crown Properties, (Public Roads and Public Right-of-Ways) and Legal Land Surveys.

The Property Mapping portion of this section was transferred to the Department of Finance under the Real Property Records Division effective 31 March 1988.

PROPERTIES

The Crown Properties Section is responsible for the acquisition, disposal and leasing of land for all Departments of Government, including negotiations to purchase land necessary for road construction projects. It is also responsible for carrying out abstracts of title, noting and clearing registered encumbrances against properties to be purchased and/or to be disposed of as well as the preparation and execution of legal documents required for various real property transactions.

It is also responsible for the acceptance of streets within approved subdivisions, payment for same and the acquisition of tap drains and easements that may be required within approved subdivisions and/or along public roads.

This section negotiates satisfactory settlements for crops, lawn, shrubs, fences and tree damages (with private landowners) which result from road construction projects. This section researches and establishes the status of rights-of-way within the province. This section administers, maintains and updates a comprehensive inventory of all Crown Land, it investigates all claims of adverse possession under the Quieting of Titles Act and Land Tax Sales under the Real Property Tax Act; it certifies affidavits of transfer on behalf of Government, it administers Oath of Witness to prove the due execution of legal documents, it is responsible for the Land Tax Ledger.

The Crown Properties (Public Roads/Public Rights-of-Way) section was involved in the purchase of 51 properties for both road construction projects (35 properties - $ 85,727.00) and other government projects (16 properties - $371,850.00) in which total expenditure amounted to $457,577.00.

This section also conveyed portions of old roadways back to adjoining property owners; there were 16 such transfers carried out during the year. This section also disposed of five (5) parcels of Crown Land which total sales amounted to $30,300.00. Properties leased and rented for government purposes totalled $4,213.00. Revenue received for lease/rental of Crown Land totalled $87,841.00. Property Tax payments amounted to $19,530.95. This section also accepted 9,705.5 lineal feet (1.84 miles) of new rights-of-way resulting from the construction of subdivision streets within approved subdivisions. The monies received for payment for the construction of subdivision streets amounted to $533,775.51.

SURVEYS

The Survey Section includes one P.E.I. Land Surveyor, two calculations technicians, one draftsman and two full-time field crews consisting of one party chief and one assistant per crew.

Survey work carried out by the Survey Section is requested by persons in other government departments such as Forestry, Fisheries, Wildlife, Justice, Transportation, etc. as well as in- house surveys for Public Works, and include complete surveys for new school sites, information centers, road diversions, shore parking sites for fishermen, to name a few.

The Survey Section is also responsible for highway right-of-way boundaries, township lines, tap drains, and/or any other work requiring a licensed Land Surveyor.

Some of the bigger surveys worked on included survey of new streets in Wellington and O'Leary, site for new Health Services Building in Montague, a shale pit on the New Zealand Road that was the subject of a lawsuit, Eliot Park Subdivision (road built in the wrong place), Kensington Intersection, etc.

Surveys were carried out for new schools or additions to existing schools at Tignish, Tracadie Cross, East Wiltshire, Birchwood, St. Teresa.

There were surveys carried out on a number of intersections, provincial parks, as well as continuing work on the Perimeter Road and Grafton Street East.

During this year the first condominium plans were submitted for checking and approval under the Condominium Act.

The Survey Section continues to work closely with the Transportation Section providing assistance and information when requested.

Maintenance of the P. E. I. Grid Control Monuments remains a responsibility of the Survey Section and again L.R.I.S. was contracted to carry out the annual inspection and maintenance project.

The Properties and Surveys Section wish to acknowledge the cooperation of the various Provincial and Federal Departments, Crown Agencies, private enterprise and the general public with whom the staff were involved over the past year.

OPERATIONS AND MAINTENANCE SECTION

The Operations and Maintenance Section is responsible for the operations and maintenance of some 70 Government owned buildings located across the Province. A number of rental buildings are maintained with monies budgeted by the Leasing Section. This section is also responsible for the accommodation requirements of Government, telephone systems, buildings security, storage and re-allocation of surplus furniture and oversees the operation of the Cater-Plan cafeteria in the P.A.B.

The Operations and Maintenance Section is divided into three areas or regions with a maintenance supervisor and supporting staff as required stationed in each region. Accommodations, telephones, security, etc. are managed from the Central Office in Charlottetown. Total staff complement is approximately 100 permanent and 20 to 25 temporary.

Some of the major projects accomplished in fiscal year 1988-89 include:

EASTERN REGION

Orwell Corner Historic Site

Replacement of underground oil storage tank. Many other small maintenance items.

Southern Kings & Queens Services Center

Painted exterior, installed six new window sills, ongoing painting to exterior office area.

Brudenell Resort

Replacement of six door units in chalets. Completion of roof reshingling on chalets, many yearly repairs/renewals to make units operational.

Kings County Jail & Courthouse

Changed heating system from steam to hot water. This was done to provide better control and lessen noise from heating system.

Basin Head Museum

Replaced underground oil storage tank, replaced existing Tropical Queen boilers with a new unit.

Kings County Forestry Depot - St. Peters

Complete repainting and recaulking exterior of office building and maintenance shop.

WESTERN REGION

Health Center - Summerside

Started program of carpeting most office areas in the building.

Portable Classrooms

Much work done on portable classrooms in Borden and Miscouche. Windows replaced, doors, floors, roofs, etc.

Prince County Court House & Jail

New telephone system installed. Renovations to 2nd and 3rd floor judge's area. Renovations to jail begun under capital.

Prince County Forestry Depot - Wellington

New lunch/coffee area arranged as per Occupational Health and Safety Code.

Interpretive Center/Yeo House - Port Hill

Much work done on these buildings. Roof shingling, fence replacement, flue repairs, windows, doors, decking, carpet, painting, etc. Structure is now in decent repair and will require on-going yearly maintenance.

Veterinary Clinic - O'Leary

Replaced underground oil storage tank.

West Prince Services Center - O'Leary

Installation of new heat recovery ventilation system designed by Coles Associates and installed by MacIntyre Plumbing and Heating. Renovations to Social Services area to provide better working arrangement and more efficient use of space.

Scalehouse Borden

Painting, repairs to scale deck.

CENTRAL REGION

Jones Building

Resaturated the roof and made necessary repairs to flashing, etc.

Shaw-Sullivan Buildings

Completed final phase in resurfacing of parking lot. Continued scheduled replacement of carpet throughout the buildings.

Dr. Found Center

Complete renovation of dietary (kitchen) area. This renovation is the first major updating of this area in some time. New windows, cupboards, wall coverings and more efficient arranging of work areas should provide for a more convenient, pleasant work site.

Beach Grove Home for Special Care

Completed recommendations as per Dr. Marchant Report, i.e. carpet replaced with hard surface materials, etc.

Government House

Refurbished front exterior to house including new authentic columns, bases and capitals.

Province House Annex

Completed renovations to third floor.

ACCOMMODATIONS

The Accommodations Section is responsible for the assignment of office space in government owned and leased buildings; telephone co-ordination and liaison between government departments and Island Telephone.

The following is a list of relocations occurring between April 1, 1988 and March 31, 1989:

Advisory Council on the Status of Women was relocated from the second floor of Province House Annex at 180 Richmond Street to the 1st floor of the Hertz O'Halloran Bldg. at Great George Street.

Department of Labour relocated from the 1st and 2nd floors of the Cambridge Building at 3 Queen Street to the Blanchard Building located at 31 Gordon Drive in Sherwood.

Womens Network and Common Ground relocated from 2nd floor of Province House Annex, 180 Richmond Street to the 1st floor of Cambridge Building, 3 Queen Street.

Sport P. E. I. relocated from 2nd floor of MacMillan Building on Haviland Street to the 1st floor of Cambridge Building on 3 Queen Street.

Provincial Photographers Office relocated from 2nd floor of MacMillan Building, Haviland Street to the basement of Jones Building on 11 Kent Street.

Human Rights Commission relocated from 2nd floor of Province House Annex, 180 Richmond Street to the 1st floor of Cambridge Building on 3 Queen Street.

Community & Cultural Affairs consolidated on the 3rd floor of Jones Building, 11 Kent Street with the relocation of the Building and Development Division from the 2nd floor of Cambridge Building, 3 Queen Street.

Housing Corporation relocated from the 3rd floor of Jones Building and consolidated in the 2nd and 3rd floors of Cambridge Building, 3 Queen Street.

The Royal Commission on Land Use established offices in the Seaman's Building on Water Street.

Department of Justice Courthouse facilities relocated from 108 Central Street, Summerside to the old St. Eleanors School for the duration of renovations in progress at the Courthouse.

Department of Health & Social Services Regional Office expanded into the north wing of the MacMillan Building.

Highway Safety Division expanded into the north wing of MacMillan Building.

Recreation & Sport for the Physically Challenged relocated from the 2nd floor of MacMillan Building to the 1st floor of Cambridge Building on 3 Queen Street.

Telecommunications

The implementation of the new centralized business system and subsequent conversion of the following Government Departments continues in this fiscal year:

Telephone System Changes

Department of Tourism and Parks (Mill River Resort) purchased and installed a new electronic key system.

Summerside Court House installed an electronic key system (leased).

Young Offenders Facility, Summerside installed an electronic key system (leased).

The following Departments and/or Agencies converted to the DMS 100 Centrex system in the Charlottetown area:

Department of Agriculture
Community & Cultural Affairs
Highway Safety
Department of Labour
Dr. Eric Found Center

SCHEDULE OF BUILDINGS

Charlottetown and vicinity:

- Sullivan Building
- Shaw Building
- Jones Building
- Province House
- Province House Annex
- Beach Grove Home for Special Care
- Highways Garage
- Highways Lab Building
- Government House and Garage
- Dr. Found Health Centre and Mona Wilson Centre
- Belmont Street Warehouse
- Coles Building
- Provincial Correctional Centre
- Queen's County Forestry Offices - Beach Grove
- Bunbury Nursery Complex
- Brackley Visitor Information Centre
- MacMillan Building
- Prince Edward Home
- Customs House
- Sherwood Home

Hillsborough Hospital:

- Hillsborough General Hospital
- Laundry and Recreation Hall
- Nurses Home
- Superintendent's Residence and Garage
- Doctor's Residence
- Occupational Therapy Building
- Greenhouse
- Maintenance Building

Summerside Area:

- Highways Garage
- Prince County Courthouse and Jail
- Dept. of Public Works Office
- Summerside Health Centre and Storage Garage
- P. E. I. Youth Centre

Others:

- Grain Elevator, New Annan
- Courthouse and Jail, Georgetown
- Kings By-Way VIC, Pooles Corner
- Scale House, Borden
- Visitor Information Centre, Wood Islands
- Brudenell
- Brudenell Recreation Complex
- Scale House, Wood Islands
- West Prince Regional Services Centre

Southern Kings & Queens Services Centre
Montague Office Building
O'Leary Veterinary Clinic
Grain Elevator, Roseneath
Grain Elevator, Elmsdale
Prince County Forestry Depot
Southern Kings Highway Depot
Kings County Forestry Depot
Alberton Courthouse
Lady Slipper Visitor Information Centre
Fisheries Museum, Basin Head
Museum, Orwell Corner
VIC Portage
Youth Centre, Georgetown
Youth Centre, Tyne Valley
Portable Classrooms
Cavendish VIC
Green Park Historic Site
Elmira Railway Station

SCHEDULE OF BUILDING TENDERS

Eliot River School Addition - Opened May 3, 1988

General

Schurman Construction Ltd.	$439,900
MacLean Construction	452,000
D. B. & J. Inc.	464,000
Fitzgerald & Snow Ltd.	470,715
Williams, Murphy & MacLeod Ltd.	477,000

Mechanical

Rayner's Plumbing & Heating	54,254
D. B. & J. Inc.	54,900
Johnstons Ltd.	57,618
MacIntyre Sheet Metal	59,000
East Coast Sheet Metal	63,700
Bevan Bros. Ltd.	77,000

Electrical

Liberty Const. Electric	55,100
Ford Electric	57,300
D. McEwen Electric	57,400
Inman Plumbing & Heating	58,873
Storey Electric	63,700
Hansen Electric	68,000
Cove Electric	82,000

Tyne Valley Youth Centre - Opened July 5, 1988

General

Fitzgerald & Snow	705,000
Schurman Construction	719,400

Mechanical

MacIntyre Sheet Metal	154,200
Inman Plumbing & Heating	158,964
Rayner's Plumbing & Heating	183,894

Electrical

Robert Frost Electrical	87,000
Ford Electric	92,600
Waite's Electric	99,400
Cove Electric	106,000

Tenant Improvements Montague Liquor Store - Opened July 12, 1988

General

Southern Kings Construction	127,148
Schurman Construction	141,900
MacLean Construction	150,851

Mechanical

Kamstar	5,479
MacIntyre Sheet Metal	6,900

Electrical

D. McEwen Electric	9,448
Hansen Electric	13,200
Jamieson Electric	14,150

Tignish Elementary School - Opened August 4, 1988

General

Schurman Construction	2,467,000
Williams, Murphy & MacLeod	2,487,000
Fitzgerald & Snow Ltd.	2,515,000

Mechanical

MacIntyre Sheet Metal	647,160
Steen Contractors	658,000
Inman Plumbing & Heating	669,484
Bevan Bros. Ltd.	713,000

Electrical

Univex	332,000
Inman Plumbing & Heating	367,526

Cavendish Visitor Information Centre - Opened August 18, 1988

General

MacLean Construction Ltd.	609,362
Roberts & McNeil	640,000
Williams, Murphy & MacLeod	707,000
Reardon Construction Ltd.	771,199

Mechanical

Rayner's Plumbing & Heating	82,975
Gavin Gill Inc.	116,991

Electrical

Olympia Electric Ltd.	41,000
Ford Electric Ltd.	43,800
Hansen Electric	44,000
Burke Electric	45,677
MacLean & Son Ltd.	46,490
Jamieson Electric Ltd.	50,857
Don MacLeod Electric	69,950

Birchwood High School Phase One - Opened September 20, 1988

General

Fitzgerald & Snow Ltd.	1,819,000
Schurman Construction	1,829,800
Williams, Murphy & MacLeod	1,938,000

Mechanical

Bevan Bros. Ltd.	442,000
Steen Contractors	470,000
Inman Plumbing & Heating	478,963
Gavin Gill Inc.	598,845

Electrical

Olympia Electric	184,400
Univex	214,000
Storey Electric	219,300
Ford Electric	221,750
Inman Plumbing & Heating	228,737
Hansen Electric	233,000
MacLean & Son	263,550

Montague Office Building - Opened October 20, 1988

General

Roberts & McNeil	1,020,500
Southern Kings Construction	1,110,840
Schurman Construction	1,134,000
Smith Construction	1,188,147

Mechanical

Gavin Gill Inc.	234,890
Bevan Bros Ltd.	264,900
Steen Contractors	279,300
MacIntyre Sheet Metal	291,000

Electrical

Olympia Electric	218,000
Univex Maritimes	225,000
Hansen Electric	239,000
Ford Electric	253,000

East Wiltshire School Addition - Opened November 15, 1988

General

Schurman Construction	829,000
Williams, Murphy & MacLeod	849,000
MacLean Construction	893,000
Fitzgerald & Snow Ltd.	897,300

Mechanical

Inman Plumbing & Heating	158,436
MacIntyre Sheet Metal	172,500
Steen Contractors	173,900
Bevan Bros. Ltd.	174,000
Blair LaPierre	191,993

Electrical

Inman Plumbing & Heating	54,743
Univex (Canada) Ltd.	55,300
Olympia Electric	58,400
Hansen Electric	58,700
Gill Electric	59,440
MacLean & Son	63,400
Ford Electric	63,800
Storey Electric	74,900

Prince County Jail Renovations - Opened January 6, 1989

General

Stile Construction	403,000
Star Construction	602,500
Fitzgerald & Snow Ltd.	609,000
Schurman Construction Ltd.	623,000
Williams, Murphy & MacLeod	689,000
Kenneth Coles	739,524
MacLean Construction	762,000
Highfield Construction	937,182

Mechanical

MacIntyre Sheet Metal	184,800
Bevan Bros. Ltd.	193,000
Inman Plumbing & Heating	204,485

Electrical

Inman Plumbing & Heating	84,763
Waite's Enterprises	89,000

St. Teresa's School - Opened February 28, 1989

General

Brothers Developments Inc.	326,219
Phelan Construction Ltd.	348,888
Cheverie Construction	368,800
Earl Redmond Inc.	369,000
George Campbell Inc.	388,420
Schurman Construction Ltd.	389,900
MacLean Construction Ltd.	394,100
Southern Kings Construction	408,988

Mechanical

Kamstar Inc.	96,598
MacIntyre Sheet Metal	108,800
Len Hynes Plumbing	118,890
Bevan Bros. Ltd.	131,800

Electrical

D. McEwen Electric	63,000
Kamstar Inc.	64,837
Liberty Construction & Electric	65,897
Olympia Electric	72,000
Storey Electric	91,800

HIGHWAY SAFETY DIVISION

The Highway Safety Division operated branches at Alberton, Souris, Montague, Summerside, and headquarters in Charlottetown, providing the general administration, safety programs and registration functions.

The Division's overall objective is to promote safe conditions for highway users, provide registration for vehicles and drivers, and to support the Minister of Transportation and Public Works in the administration of the Highway Traffic Act, Off-Highway Vehicle Act, the Roads Act, and the Transportation of Dangerous Goods Act.

Commercial Vehicle Safety Legislation was enacted under the Highway Traffic Act allowing the Division to make Regulations granting authority to manage commercial vehicle operators and carriers as outlined under the National Safety Code.

During 1988/89, the Division began planning the conceptual and detailed design of the Driver Record Management System. This system is necessary to manage both the present driver/record system and the new carrier and driver profiles which are part of the National Safety Code requirements.

The Division updated the Driver and Vehicles Procedural Manual and conducted refresher training to 60 staff on the Driver and Vehicle System to ensure staff were fully aware of changes which had taken place.

The Division participated in the National Interprovincial Record Exchange Project (IREP). This information system is designed to aid motor vehicle administrators in the management of drivers and vehicles. Phase I of the project is to be completed by the fall of 1989.

To increase efficiency and productivity, word processing equipment was added to a number of clerical and secretarial positions.

The Single Application for Vehicle Registration (SAVR) was put in place by the Division to accommodate this new type of commercial vehicle registration. The new registration system makes it much simpler for commercial truck owners who are operating interprovincially to register vehicles to travel in other jurisdictions. All registration fees can now be paid in one simple operation.

A new service was provided to the public when the Division became an agent to issue Provincial Deposit Receipts (PDR's). This service is provided to the public at the four branch offices in Alberton, Summerside, Montague and Souris.

REGISTRATION AND LICENSING SECTION

This Section maintains records on all drivers who have had convictions for motor vehicle related offences and who are scheduled for counselling activity such as an interview or a re-examination. This Section, also maintains documents on compulsory insurance, accident statistics, and motor vehicle dealers.

This Section issues abstracts of driving records to individuals and insurance companies.

During the period April 1, 1988 to March 31, 1989, the Registration and Licensing Section processed approximately 48,447 transactions for various reasons. A summary of the major activities are shown in the table following. (1987-88 figures are shown for comparison purposes.)

	1987-88	1988-89
Driver License Suspensions		
Criminal Code	935	743
Demerit Point System	418	491
Driver Licenses Confiscated		
Criminal Code	146	172
Demerit Point System	100	147
Driver License Reinstatement		
Criminal Code	754	614
Demerit Point System	328	365
Compulsory Insurance		
Cancellations received from insurance companies	4,507	4,597
Accidents		
Fatalities	16	24
Injuries	1,024	870
Number of Fatal Accidents	15	22
Number of Collisions	3,559	3,318
Judgment Recovery (P.E.I.) Ltd.		
Number of new cases	2	13
Dealer Trade License		
Class "A" New and Used Vehicles	29	31
Class "B" Sub-dealers	4	4
Class "C" Used Vehicles	63	73
Class "D" New and Used Mobile Homes	3	4

SYSTEMS DEVELOPMENT AND QUALITY CONTROL

The section consists of 4 employees. This section has two primary functions:

1. Development, modification and enhancements of new or existing division systems.

   Driver Vehicle System
   SAVR System

2. Revenue Balance and Quality Control

Since its inception, the section has been involved in development of a computerized Records Management System, Single Application for Vehicle Registration (SAVR) and the Interprovincial Record Exchange (IRE) system. The section is responsible for daily revenue balancing, quality control of all the Divisions computer files, user reporting and problem solving.

VEHICLE REGISTRATIONS 1988

CAR	TRUCKS	MOTORCYCLES	BUSES	SPE	TRAILERS	PRP
61,983	19,768	2,053	407	314	1,804	553

TOTAL = 86,882

VEHICLE REGISTRATIONS 1987

CAR	TRUCKS	MOTORCYCLES	BUSES	SPE	TRAILERS	PRP
60,169	18,729	2,119	425	490	1,344	430

TOTAL = 83,706

NOTE - The 1987 report has included in it's total, approximately 500 bogus registrations which were required to be created for system testing and staff training reasons but have yet to be deleted. The majority of the bogus registrations were of the "car" type.

DRIVER LICENSES ISSUED

Newly Licensed	3,119
Renewed Drivers	22,158
Exchanged Licenses*	1,874
TOTAL	27,151

*Out-of-province driver licenses exchanged for P.E.I. license.

To obtain the above figures, coder programs were implemented. Coder is a software package whereby it will generate a cobol language program to produce a report by using the data files you specify and containing the information selected. To date, this section has produced 60 + programs to secure information from the DVS (Driver Vehicle System) files.

SAFETY SECTION

Activity, as it relates to driving, was divided into two categories - the driver, and, the vehicle.

In each of these categories, the measures designed to counter highway collisions were separated into education and enforcement techniques primarily directed to highway users, followed by engineering developments directed to safety improvements of the vehicle.

Countermeasures were planned and conducted on the premise that the driver is ultimately responsible for motor vehicle operation on the highway. In consequence, the countermeasure strategy was to increase the driver's knowledge of highway laws and safe driving practices by creating a general awareness through the public news media; and testing new drivers; licensing control over newly licensed drivers, and correction of unsafe practices among other drivers.

The Safety Section plans and co-ordinates the following programs:

1. Promotion of Highway Safety
2. Driver Improvement
3. Motor Vehicle Inspection

PROMOTION OF HIGHWAY SAFETY

Driver Testing

The basic objective of the driver testing is to establish and maintain acceptable standards for the issuance of driver licenses for all classes of vehicles in accordance with the provisions of the Highway Traffic Act, Regulations, and Departmental Policy. To obtain a drivers license, an applicant needs the necessary knowledge, skill, physical and mental ability to safely operate a motor vehicle. The driver examiner tests all drivers requiring an initial license and those requiring a higher class of license. Tests are passed by successfully completing a written examination of rules of the road, a vision screening, and an actual road test.

In 1988, the driver testing section conducted 4,307 written and oral knowledge tests, with a failure rate of 21%. Road tests were administered to 4,701 applicants, with a failure rate of 35%. The total number of oral, written and driving tests administered in the five regional offices in Charlottetown, Summerside, Alberton, Souris and Montague was 9,008.

To promote correct driving habits, the Division encouraged young drivers to become involved in a Driver Education Program. Applicants enrolled in a Driver Education Program can obtain their Instruction Permit when they are 15 1/2 years of age. The applicant must produce a letter from the Driver Education Instructor stating that they are enrolled in the Course. Although the applicant can receive their Instruction Permit at 15 1/2, the applicant must wait at least 30 days after their 16th birthday before going on a road test.

There are eight commercial driver education schools operating in Province. These schools offer twenty-five hour in-classroom and a six hour behind-the-wheel training as required by Driving School Regulations. These eight commercial schools trained approximately 733 new drivers in 1988.

The Driver Education Course is designed to help new drivers develop good driving habits and to obtain a drivers license. The Program for 15 1/2 year old drivers allows young drivers more exposure to behind-the-wheel training.

Traffic Safety Promotion

This Section provides safety information to the driving public in all areas of highway driving. The Division promotes traffic safety by using newspapers, radio, brochures, posters and pamphlets. Traffic Safety campaigns are conducted promoting bicycle safety, off-highway vehicle rules, rules of the road, vehicle safety, pedestrian safety, winter driving tips, registration and license renewal reminders, and seat belt use. Impaired drivers are a continual problem on the highways and a constant campaign is conducted to encourage people not to drive after they have been drinking.

Accident Reporting System

Computer records are kept on all reported motor vehicle accidents. During 1988, it is estimated that 976 million kilometers were driven by motor vehicles on Prince Edward Island. There were 3,318 collisions resulting in 870 injuries and 24 fatalities. The twenty-four (24) fatalities includes eleven (11) drivers, three (3) passengers, five (5) pedestrians, two (2) motorcyclists, and three (3) off-highway vehicle operators.

DRIVER IMPROVEMENT

The primary function of the Driver Improvement Section is to identify the problem drivers (by their driving record) and to induce them to change their driving habits and attitudes thereby reducing fatalities, injuries, and property damage.

Defensive Driving Courses

Courses on safe driving habits have been developed by the Canada Safety Council with the co-operation of the Provincial Government. Attendance at these courses is voluntary and those who successfully complete the course are given a bonus of 3 points which can be used as a credit in the Demerit Point System. The Defensive Driving Course develops safer drivers for Prince Edward Island highways.

In 1988, there were 31 Defensive Driving Courses offered in the Province with 523 students participating and 476 successfully completing the course.

Driver Improvement Courses

When a driver accumulates six or more demerit points, a letter is issued advising of the consequences which could result from further demerit points. If a driver accumulates nine or more demerit points, the driver is required to attend a Driver Improvement interview in which the driver is assisted in achieving an awareness of the driving problem and developing a solution to that problem. After a driver accumulates 12 or more demerit points, the license is suspended for a period of three months. To have suspended licenses reinstated, drivers must attend a reinstatement interview and it is a mandatory condition of the reinstatement of licenses that drivers attend a Driver Improvement Course within six months of having their license returned. If a driver fails to attend the required Course, the license may be further suspended.

In 1988, three Driver Improvement Courses were held throughout the Province with 157 drivers required to attend. Ninety-seven (97) of those attended, with 95 successfully completing the course.

Driver Rehabilitation

This is the Alcohol and Drug Abuse Program. All drivers who are convicted of a second or subsequent offence pursuant to Section 237A, 237B, 238(5), or 239(1) of the Criminal Code of Canada must attend an Impaired Drivers Course conducted by the Highway Safety Division. This Course must be completed before a driver suspended under these Sections can have his driver's license reinstated.

In 1988, four courses were conducted throughout the Province. Two hundred and nine (209) people were required to attend with 115 suspended drivers attending and 95 of the attendants completing the Course. Anyone who did not complete the Course would not have their license reinstated.

The Assessment Program requires drivers with three or more convictions for impaired driving to have an alcohol assessment completed and if required, undergo curative treatment at an Addiction Service Centre. A probationary driver's license may be returned to the driver only if the treatment program recommended by Addiction Services was followed. The probationary license is valid as long as the curative treatment program was followed. In 1988, 234 drivers were put through this program with 204 receiving a probationary license and 30 drivers being cancelled for failing to comply with their probationary order.

Novice Driver Program

The Novice Driver Course is compulsory. All new drivers applying for a license must complete this course prior to taking a road test. During 1988 the Division conducted 141 courses with 2,710 students completing this course.

Vehicle Weights

During 1988, the Division managed the enforcement of Vehicle Weight Regulations under the Roads Act. Vehicle weight enforcement visibility is very important to ensure that commercial vehicles are operating in compliance with the Regulations. The Division managed the operation of two fixed scales at Borden and Wood Islands, and the portable scales which travel throughout the Province weighing trucks that appear to be overweight.

ANNUAL MOTOR VEHICLE INSPECTION

The Motor Vehicle Inspection Program continued in 1988 to monitor the operating condition of motor vehicles in Prince Edward Island. The compulsory inspection of passenger cars, light trucks, heavy trucks, farm trucks, trailers, and motorcycles totalled 86,587.

In 1988, there were 194 inspection stations with 404 licensed mechanics involved in the periodic inspection program. The inspection stations and licensed mechanics carried out the following inspections:

Vehicles Inspected	86,587
Farm Trucks Approved	1,433
Vehicles Approved	78,058
Motorcycles Approved	1,406
Trailers Approved	2,644
Vehicles Rejected	5,690

The Motor Vehicle Inspection officers co-operated with police agencies to conduct stop-check programs for unsafe vehicles on the highways. There were approximately 13,000 vehicles observed in the vehicle stop check program resulting in 762 charges and 2,278 written warnings.

TRANSPORTATION DIVISION

AIR

Prince Edward Island enjoyed very good air passenger service during the past year. Five airlines provided scheduled service between Charlottetown and Halifax, Ottawa, Toronto and Montreal. Traffic statistics for the Charlottetown airport for 1988 revealed an increase of 17% in passengers using scheduled services to and from the province. Reliability of service has been greatly improved and, while some non-stop jet services have been discontinued, there has been a dramatic increase in frequency of flights.

There can be no doubt that reduced regulation in the domestic air carrier industry has produced benefits in the form of better service. However, the same cannot be said for air fares in this part of the country which continue to escalate despite intense competition to the point where they are quite high in comparison with other passenger transporation modes.

Air cargo service is provided mainly through Halifax or Moncton. An exception to this is a service which operates between Charlottetown and the Magdalen Islands during the winter months.

Air Canada provided year-round daily jet service between Charlottetown and Ottawa-/Toronto and seasonal daily non-stop service between Charlottetown and Toronto during the summer. Air Canada continues to use DC-9's on these routes. The airline reported a profit of $96 million for 1988.

Canadian Airlines International Ltd. provided jet service with Boeing B-737's through Halifax to Toronto, Ottawa, Montreal and points in the Atlantic Provinces. The airline earned a profit of $38.4 million in 1988.

Air Nova, an Air Canada regional partner, operated as many as six return turbo prop flights per day between Charlottetown and Halifax for connections with Air Canada's domestic and international flights. The airline uses deHaviland Dash 8 aircraft.

Canadian Airlines regional partner, Air Atlantic, offered five return flights per day between Charlottetown and Halifax, connecting with Canadian Airlines flights to and from various points in Canada as well as with international flights. This carrier operates deHaviland Dash 8's and Dash 7's. More and more, Halifax is becoming the hub for air travel in the region as non-stop and direct jet service continues to be curtailed in New Brunswick and Prince Edward Island.

In May of 1988, another Canadian Airlines partner, Inter Canadian commenced direct service between Charlottetown and Montreal with a stop in Moncton, using Boeing B-737's or Fokker 100 jet aircraft. This carrier serves a number of routes in New Brunswick and Quebec as well.

Air cargo service was provided by the national and regional carriers and during the January-April period cargo service to the Magdalen Islands was operated by Icarus. Charter service was offered by Air Abegweit and Kanata Aviation Ltd.

AIRPORT

Scheduled air operations experienced a traffic increase of approximately 10% at the Charlottetown airport in 1988.

The Charlottetown Airport Consultative Committee with representatives from Transport Canada, provincial Transportation and Tourism departments, the municipalities of Charlottetown and Sherwood, the regional airlines, Charlottetown Area Regional Planning Board and Chamber of Commerce, met a number of times during the year to discuss various matters relative to the development and operation of the airport, including the rehabilitation of the south end of runway 03-21, extension of runway 10-26 from 5,000 feet to 7,000 feet, snow clearing on the Brackley Point Road, the hazardous intersection between the Brackley Point and Airport Roads, possible development of land in the vicinity of the airport and the possibility of the installation of a microwave landing system to replace the existing instrument landing system.

ATLANTIC PROVINCES TRANSPORTATION COMMISSION

The Atlantic Provinces Transportation Commission was established in 1925 as an initiative of the Maritime Provinces Board of Trade to represent the interests of shippers in the region on transportation matters. The Commission was originally funded by the governments of the Maritime Provinces but, since 1950, has drawn financial support from Newfoundland as well. It maintains a staff of 12 in offices in Moncton to provide a broad range of transportation related services to transportation users and others in the region. Its services include rate negotiations and advice, transportation information, routing advice, preparation of submissions and publication of directories and bulletins etc. The Agency maintains an extensive computerized tariff library and organizes shippers meetings and seminars. The Commission is currently engaged in monitoring transportation services under the new national transportation policy under contract with the National Transportation Agency in connection with the annual review required by the National Transportation Act 1987.

The Commission is governed by a board of directors, ten of whom are appointed by the four governments and the other ten by the Atlantic Provinces Chamber of Commerce. Prince Edward Island is represented on the Board by the following directors:

Kenneth A. MacKenzie, Government of Prince Edward Island
David A. Scales, Government of Prince Edward Island
George Key, Atlantic Provinces Chamber of Commerce
Norman Clarey, Atlantic Provinces Chamber of Commerce

For the 1988/89 fiscal year this Province's share of the revenue budget was 1/15 or $45,536.

BUS TRANSPORT

Scheduled bus service for passenger and parcel express was operated to, from and within the province by three carriers.

Twice daily service between Charlottetown, Summerside and Moncton was provided by Via Rail Canada Inc. pursuant to a federal regulatory order requiring the operation of bus service in lieu of rail service to connect with mainland passenger trains. This operation also affords an intercity service between these points.

SMT (Eastern) Ltd. operated passenger and parcel express service between Charlottetown, Summerside and Amherst on a schedule which varies from daily to twice daily. This service provides connections with other SMT services in New Brunswick and interlines with Acadian Lines for connection to Nova Scotia points.

Island Transit is owned and operated by the Province and provides year-round daily, except Wednesday and Sunday, service between Tignish, Summerside and Charlottetown for passenger and parcel express. Island Transit also operates a seasonal service from May to mid-October between Souris-Charlottetown and Charlottetown-New Glasgow, N. S. where it interlines with Acadian Lines for connection to many points.

Island Transit's fleet comprises one 1987 MCI 47-seat coach and two 1977 GM 39-seat coaches. The latter two vehicles are near the end of their useful life and one of them should be replaced immediately.

Charter service is provided by SMT (Eastern) Ltd. and Trius Tours, the contracting carrier for the VIA service.

FEDERAL PROVINCIAL COMMITTEE ON ATLANTIC REGION TRANSPORTATION

This Committee was originally established in 1969 by the Minister of Transport to evaluate Atlantic freight subsidy programs and to determine if money allocated to these programs could be used in more effective ways to foster economic development. It eventually became the principal mechanism for federal/provincial consultation on transporation policy matters.

This Committee continues to function in that role but is considerably less active than it formerly was. During the year, the Committee redefined criteria for eligibility for freight assistance under the Maritime Freight Rates Act and the Atlantic Region Freight Assistance Act and redesigned the application form. It dealt with numerous applications for assistance from Atlantic and Eastern Quebec industries as well as the following policy issues:

- airport privatization
- the report of the Auditor General respecting freight subsidies
- federal cost recovery proposals
- coasting trade legislation
- marine insurance
- monitoring of new federal transportation legislation

The Committee's members are senior transportation policy officials in the five eastern provinces.

FEDERAL PROVINCIAL COMMITTEE ON TRANSPORTATION STATISTICS

This Committee was created by Statistics Canada to provide a mechanism for input into decisions affecting the planning and delivery of transportation related statistics programs. The Committee has representation from the provinces and territories, Statistics Canada, Transport Canada and the National Transportation Agency. It normally meets twice a year. This Province is represented on the Committee by the Director of the Statistics Division and the Director of Transportation.

FEDERAL SALES TAX REFORM

A controversial transportation issue emerging during the year was a federal proposal to impose a 9% multistage goods and services tax on transportation charges. Many Atlantic region shippers are concerned that their competitive positions will be eroded by higher freight charges attributable to a 'tax on distance' and increased administrative costs for carriers due to the collection and remittance of taxes. There has been on-going consultation on this issue between federal and provincial governments and other interested parties but, thus far, fears of a negative impact of the proposed tax have not been allayed.

FERRY SERVICE

Borden - Cape Tormentine

Ferry service between Borden and Cape Tormentine was generally satisfactory for passengers and passenger vehicles with some delays on weekends and during peak traffic periods. Truck capacity, on the other hand, was not adequate for the demand during the winter months when the Wood Island's service was not operating and only the two icebreaking vessels were in service between Borden and Cape Tormentine, with the result that prolonged delays for truck traffic were common. This problem has been exacerbated by the drastic shift from the rail mode to the highway mode and costly delays experienced by truckers have become more serious. The truck capacity problem has been the subject of ongoing discussions between Marine Atlantic, Transport Canada and this Department and several alternatives have been explored but, apart from adding vessel capacity, a practical solution has not been identified.

Marine Atlantic applied to the Canada Labour Relations Board to have the number of bargaining units in its three unions reduced from eighteen to three, citing the need to go through the bargaining process with eighteen separate units and the potential for work stoppages as problems.

Canadian National's reduction in rail service posed a difficult problem for the fertilizer industry due to a ruling of the Board of Steamship Inspection that amonium nitrate could not be transported on the ferries in available highway equipment.

In January, 1989, Rupert J. Tingley, President and Chief Executive Officer of Marine Atlantic Inc. retired after eleven years service. During his incumbency, Mr. Tingley displayed a cooperative spirit and a sensitivity to the problems of Island ferry users.

On January 1, 1989, Marine Atlantic's Borden-Cape Tormentine tariff was revised to produce a 6% increase in revenue which had the effect of increasing fares for passengers by 4.2%, automobiles by 7.4% and 50′ to 60′ tractor trailers by 5.8%.

The federal subsidy to compensate for the operating deficit on the Borden service for 1988 was $26,669,000.00.

Wood Island's - Caribou

Northumberland Ferries Ltd. 1988 operating season extended from April 26 to December 12. The schedule varied from 9 return crossings in May and December to 19 during the summer months.

The capacity problem which has plagued this service for years continues to frustrate operators of passenger and commercial vehicles and at least one of the vessels, the Lord Selkirk, which entered service in 1958, is nearing the end of its useful life. On May 27, the Minister of Transport, Honourable Benoit Bouchard, announced a $45,000,000 upgrading program which would provide for the construction of two 150 car capacity bi-level ferries and the development of terminal facilities to accommodate the new vessels. At this date, no contracts have been let nor have the vessels been designed but planning for the terminal redevelopment has proceeded to an advanced stage.

At the direction of Transport Canada, Northumberland Ferries Ltd. adjusted its rates to generate a 6% increase in revenue for 1989. This resulted in passenger fares being increased by 6.5%, automobiles by 6.0% and 50′ to 60′ tractor trailers by 6.1%.

The 1988 operating subsidy for the Wood Island's-Caribou service was $6,574,000.00.

Souris - Magdalen Islands

CTMA (Cooperative des Transports Maritime et Airen) provided ferry service between Souris and Grindstone, Magdalen Islands, on a six return crossings per week schedule with additional crossings between mid June and mid September. This service also suffers from inadequate vessel capacity in the peak traffic period.

CTMA increased 1989 passenger fares by 3.3%, automobile rates by 3.8% and the rate for a 60′ tractor trailer by 4.3%.

This service is supported by a federal subsidy which amounted to $2,206,000 for the 1988-89 operating season.

FIXED CROSSING

The federal Public Works Department received proposals from six consortia for the construction and operation of a fixed crossing over Northumberland Strait to replace the Borden-Cape Tormentine ferry service, as follows:

P.E.I. Bridge Ltd. (Toronto)	- Bridge
Borden Bridge Co. Ltd. (Halifax)	- Bridge
Strait Crossing Inc. (Calgary)	- Bridge
Abegweit Crossing Ltd. (Port Hawkesbury)	- Bridge
Northumberland Bridge Corp. (Downsview, Ont)	- Bridge
P.E.I. Crossing Ventures (Montreal)	- Bridge
P.E.I. Crossing Ventures (Montreal)	- Tunnel

Of the six, only Borden Bridge Co. Ltd., P.E.I. Bridge Ltd., and Strait Crossing Inc., were invited to submit firm prices. Three items related to the proposed link have been identified for Department of Transportation and Public Works action, i.e. highway improvements, integration with the province's highway system and toll monitoring.

In January, 1989, the federal government announced that the fixed crossing project would be placed 'on hold' for a year pending the outcome of public hearings by an environmental review panel.

FREIGHT AUDIT SERVICE

Since 1976, the governments of the three Maritime provinces have partially financed the Freight Audit Service, an agency located in Moncton and affiliated with the Atlantic Provinces Transportation Commission, which audits freight bills for shippers and receivers to identify overcharges. The agency derived 57% of its revenue from client charges based on 50% of refunds received from carriers where overcharges are identified and the remaining 43% from grants from the three provinces.

The Freight Audit Service served 94 clients in 1988, ten of which were firms in this province.

This Agency is revising its operation to include pre auditing service as well as post audit.

Prince Edward Island's contribution to the revenue budget of the Freight Audit Service for 1988-89 was one twelfth, or $3,515.00.

FREIGHT SUBSIDIES

Rumours that reductions in Atlantic freight subsidy programs would be effected in the 1989 federal budget caused a great deal of alarm in the region and many representations were made to federal authorities opposing any cuts in these programs. Assurance was received that federal commitments respecting the preservation of the subsidies would be honoured and the programs retained intact.

The administration of these programs which previously was carried out in Hull, Quebec, will heretofor be handled in a regional office of the National Transportation Agency in Moncton.

The following is a breakdown of payments under the various programs during 1988:

Maritime Freight Rates Act		
Rail - Basic 'Westbound' (estimate)		13,000,000
Atlantic Region Freight Assistance Act		
Rail - Selective 'Westbound' (estimate)	4,000,000	
Rail - Intra	7,569,415	
Truck - Basic Westbound	23,011,205	
Truck - Selective Westbound	8,116,508	
Truck - Intra	40,136,544	
Water - Intra	764,454	
Air - Intra	-	
Subtotal		83,598,126
TOTAL		96,598,126

MARITIME PROVINCES TRANSPORTATION COMMITTEE

The Maritime Provinces Transportation Committee is a permanent committee of the Council of Maritime Premiers, created in 1973 to recommend policies aimed at effecting a coordinated approach to transportation matters affecting the three Maritime Provinces. The Committee's members are the directors responsible for transportation policy in the three provincial governments and it reports to the Council. Funding for research projects undertaken by the Committee is drawn from the Council's budget.

During the year, the Council directed the MPTC to draft a new regional transportation policy to update the policy document prepared by the Committee in 1975. At year end, this work was in progress. Other matters dealt with by the Committee were:

Interprovincial Truck Regulation
Federal Tax Reform
Federal Transportation Monitoring and Annual Review
Essential Rail Network
Airline Schedules and Fare Policy

MONITORING FEDERAL TRANSPORTATION LEGISLATION

The National Transportation Act 1987 provides for an annual review and a comprehensive review in 1992 of new federal legislation which came into force on January 1, 1988 including the National Transportation Act 1987 and the Motor Vehicle Transport Act 1987. The purpose of these reviews is to determine the effectiveness and the impact of the new legislation and the responsibility for carrying them out rests with the National Transportation Agency. This Agency has put in place a monitoring process which involves provincial governments, carriers, shippers/receivers and others. A comprehensive report of the annual review will be issued by this Agency each year. This process should enable the federal government to evaluate the effectiveness of the new legislation and determine if changes are warranted.

PORTS

The Canada Ports Act provides for the establishment by the Minister of Transport of 'regional advisory councils' to make recommendations to the Minister on matters related to ports policy and operation. One such council exists for national ports and public harbors in the Maritime provinces. The Maritimes Regional Advisory Council meets three times annually and its membership includes representatives of the federal and provincial governments, ports corporations, business, industry and labor. During the period covered by this report, the Council concerned itself with various port related issues including:

Development Plans for Ports and Public Harbors
Port User Fees
Customs Regulations Respecting Cruise Ships
Federal Cost Recovery Programs
Container Dimensions - International Standards
Coasting Trade Legislation
Report to Minister

In 1988, Prince Edward Island was represented on the Council by D. N. MacKenzie, Hugh Sutherland and K. A. MacKenzie.

The following is a summary of improvements to the province's principal ports approved for the 1988-89 year:

Charlottetown	
Transit Shed Electrical Upgrading	26,150
General Maintenance	82,741
Total	108,891
Summerside	
Transit Shed Replacement Study	17,000
Installation of Wavebreak	58,208

Upgrading Queen's Wharf	18,833
Transit Shed Electrical Upgrading	18,500
Marine Terminal East Apron Upgrading	78,107
General Maintenance	76,589
Total	267,237
Georgetown	
Wharf Reconstruction ($6,465,085 contract)	56,067
Approach Road Upgrading	160,757
General Maintenance	50,478
Total	267,302
Souris	
Boat Harbour Wharf Reconstruction ($2,489,931 contract)	141,000
Marginal Wharf Reconstruction ($3,551,000 contract)	2,360,000
Breakwater Wharf Improvements ($5,022,000 contract)	1,612,000
Installation of a Floating Dock	24,000
Marine Terminal - Approach Road Lighting	25,700
Transit Shed Structural Upgrading	47,600
Transit Shed Electrical Upgrading	21,223
Temporary Berthage - Ferry Terminal	32,500
General Maintenance	71,199
Total	4,335,222
Miscellaneous Expenditures - Various Ports	
Advance Planning	32,286
Ultrasonic Testing - Various Wharves	27,000
Preparation of 'As Built' Plans	22,500
Total	81,786

RAIL TRANSPORT

On July 13, 1988, Canadian National Railways filed with the National Transportation Agency a Notice of Intent to apply for the abandonment of the Borden subdivison, the Tormentine subdivision and the Kensington subdivision from Emerald Junction to Linkletter.

The Province declared its intention to oppose the application described above and retained counsel to prepare an intervention. The application was filed on December 1, 1988 and the Province's intervention opposing it was filed with the National Transportation Agency on January 30, 1989. Interventions opposing the application were also filed by the Province of New Brunswick, Charlottetown, O'Leary and St. Eleanors, the Greater Charlottetown Chamber of Commerce, fourteen users of rail service and several other interested parties. In addition to the 97.2 miles of line included in this application, applications for 173.2 miles of line previously ordered kept in service became eligible for reconsideration pursuant to Section 171 of the National Transportation Act so that the entire Prince Edward Island railway totalling 235 miles became subject to the rail abandonment process. The National Transportation Agency has scheduled public hearings respecting these abandonment applications on April 24, 25 and 26 in Charlottetown and on April 27 in Summerside. The Province will present its arguments using several expert witnesses and users of rail service.

The following is a summary of the status of the railway in the Province:

Reconsideration of Abandonment	**Miles**
Murray Harbour Subdivision including Mt. Herbert Spur	22.37
Montague Subdivision	25.61
Elmira Spur	5.00
Souris Subdivision	55.02
Kensington Subdivision (Linkletter to Tignish)	65.16
Subtotal	173.16
Abandonment Application filed Dec 1/88	
Borden Subdivision	42.40
Kensington Subdivision (Emerald Junction-Linkletter)	19.45
TOTAL	235.01

It should be noted that the Province of Newfoundland agreed to the abandonment of the entire rail system in that province in return for a $800 million compensation package offered by the federal government over a ten year period. The package will provide for highway upgrading, other transportation improvements and compensation for job loss.

Canadian National has actively promoted its intermodal service as an adequate replacement for rail service. However, the transshipment process which is part of the intermodal system proved to be unsatisfactory for moisture sensitive commodities in inclement weather. Representation was made to CN for the installation of covered transshipment facilities at the Cargo Flo terminal in Moncton and a satisfactory weather proof facility is now in place.

Canadian National failed to supply an adequate replacement for rail carload service for the movement of ammoniam nitrate. As a result, fertilizer companies will be forced to construct additional storage for this commodity at considerable cost.

There remains grave concern among users of rail service of the impact of loss of rail service on their future transportation costs. The implications for the Island's highway system are cause for alarm as well, if CN is permitted to abandon the province's railway. It is imperative that Canada ensure that adequate protection for users and compensation for highway construction and maintenance will be provided in the event of abandonment.

Canadian National continued to wind down its rail operation in Prince Edward Island as it pursued every means at its disposal to divert traffic from the railway. Rail carload service was provided only one day per week, making it impossible for some of its customers to continue using. CN's demarketing strategies have been very effective in reducing traffic.

Canadian National Railways reported a profit of approximately $282 million in 1988.

RAIL PASSENGER TRANSPORT

Twice daily rail passenger service along two different routes was provided by Via Rail (Canada) Inc. between Halifax and Montreal. Access to these services was provided to Island travellers by a twice daily bus service connecting at Moncton. Although Via acquired a number of new locomotives it was still attempting to provide satisfactory service with 1954 vintage coaches which are subject to breakdown. The result has been poor 'on time performance' and a great deal of dissatisfaction among its customers. Little improvement in this situation can be expected unless new equipment is made available.

While Via experienced a 10% increase in traffic in 1988, the year's operation had to be supported by a federal subsidy of $641 million.

TRUCK TRANSPORT

1988 was the first year in which Canada's trucking industry operated in a new regulatory framework, incorporating reforms which were approved by the Council of Ministers Responsible For Transportation and Highway Safety in 1985 and given effect by the Motor Vehicle Transport Act 1987, which came into force on January 1, 1988. While the new regulatory regime promotes competition and greater efficiency in the inter-provincial trucking industry, it did not achieve a major objective, that of uniform regulation across the country, due to the different ways in which regulating authorities in the various jurisdictions elected to interpret the federal legislation and amend their provincial/territorial motor carrier legislation. The failure to achieve uniformity was a disappointment to shippers and carriers alike. Regulatory reform encouraged many new companies to enter the trucking industry in Canada and resulted in expansions and consolidations, as well. However, there is no substantial change in the structure of the trucking industry in Prince Edward Island, although this Province was among the first to implement regulatory reform.

A frequent complaint from transportation users is that they are not able to take advantage of backhaul rates available from truckers returning empty to central Canada or the United States due to the fact that many carriers are unwilling to come to this province because of the time lost in making the return ferry crossing.

At year end there were 471 licensed to carry on a 'for hire' trucking operation in this province. This compares with 469 in 1987.

COMMUNICATIONS

As it has been in transportation, regulation is becoming an issue of major importance in telecommunications. A case now before the Supreme Court of Canada calls upon the Court to decide whether the regulation of Alberta Government Telephones, a provincially regulated, provincial Crown corporation, falls within federal or provincial jurisdiction. This litigation has implications for Prince Edward Island in that a ruling by the Court that the jurisdiction is federal, which ruling is a probability, would set a precedent for the determination of jurisdiction to regulate telephone service in all provinces and territories. In that event, decisions respecting Island Telephone Company Limited's rates, service and expansion would be made by the Canadian Radio-Television and Telecommunications Commission in Ottawa, rather than the Prince Edward Island Utilities Commission.

In 1987, the federal, provincial and territorial ministers responsible for communications established a task force to consider the potential impacts of introducing competition in the provision of long distance telephone service in Canada. The Federal-Provincial-Territorial Task Force on Communications undertook a major study entitled Competition in Public Long-Distance Telephone Service in Canada. A comprehensive report embracing all aspects of the subject was completed and submitted to the Ministers in December, 1988. The report is far too lengthy to summarize here. The findings and their implications for telephone subscribers were being analysed by federal/provincial/territorial officials at year end.

The Atlantic Consultative Committee on Communications met several times during the year. The Committee is composed of officials representing the four Atlantic governments, the Department of Communications, the Council of Maritime Premiers and the Canadian Radio-Television and Telecommunications. In 1988, it dealt with a wide range of issues related to telecommunications and broadcasting, including proposed new legislation, licensing, cable regulation and expansion, regional development initiatives and competition in the provision of telecommunications services. The Committee is chaired by the Communications Coordinator of the Council of Maritime Premiers and it meets in various locations.

The telecommunications industry is experiencing rapid growth and the range and diversity of services offered or being developed by it are continually expanding. The Province must be vigilant and must strive continually to influence federal policies and regulatory practices so that Islanders benefit from and are not disadvantaged by rapidly developing technology in the field of telecommunications.

GENERAL

As we approach the end of the 'eighties', we can reflect on a decade of dramatic change in transportation. Federal and provincial governments have introduced new policies and legislation which have ushered in a new era of economic regulation and have altered substantially, the cost and availability of transportation services in Prince Edward Island. Improvements in air and truck transportation have been partially offset by a coincidental lack of adequate rail service, so that the benefits of an acceptable multi modal transportation system are no longer available to users. Lack of adequate ferry capacity continues to be a problem and contributes to the disadvantages of a transportation system which is much less than ideal.

Quality transportation is essential to the maintainance and development of economic activity in the province, as well as to our social well being, and continuing efforts must be directed towards the development of a transportation system which can truly respond to the needs of all Islanders.

Current developments in transportation and communications would present a formidable challenge to an adequately staffed Transportation Division. To attempt to respond effectively to all of the issues and demands facing the Division with the present level of staffing is completely unrealistic.

TRANSPORTATION STATISTICS

The following are the transportation statistics for the province for the 1988 calendar year:

AIR

	1988			1987		
	To PEI	From PEI	Total	To PEI	From PEI	Total
Passengers Carried	104,137	106,529	210,666	91,432	90,510	181,942
Change from 1987	13.9%	17.7%	15.8%			
Freight (lbs)	170,281	1,070,819	1,241,100	463,355	1,816,051	2,279,406
Mail (lbs)	412,370	145,063	557,433	582,086	1,058,233	1,640,319

(Traffic statistics for Inter Canadian Airlines not available)

BUS

	Passengers Carried		
Island Transit	**1988**	**1987**	**Change**
Ch'town/Tignish (year round)	7,600	8,656	– 12.2%
Ch'town/Souris (May 30-Oct 10)	867	922	– 6.0%
Ch'town/New Glasgow (May 30-Oct 10)	3,570	3,248	+ 9.9%
Totals	12,037	12,826	– 6.2%
Via Rail:			
From PEI to Moncton	12,732	13,151	– 3.2%
From Moncton to PEI	13,093	13,344	– 1.9%

(Traffic statistics for S.M.T. (Eastern) Ltd. not available)

FERRY

Borden-Cape Tormentine Ferry Service

The following are the 1988 traffic statistics for Marine Atlantic Prince Edward Island-New Brunswick service, with 1987 comparisons:

	1988	1987	Change
Autos	549,650	524,416	+4.8%
Trailers, Campers	31,985	31,581	+1.3%
Trucks	93,768	87,292	+7.4%
Tractor Trailers	114,030	104,979	+8.6%
Buses	5,050	4,725	+6.9%
Rail Cars	1,001	2,968	-66.3%
Passengers	1,777,292	1,713,110	+3.7%

Wood Islands-Caribou Service

The following are the 1988 traffic statistics for the Prince Edward Island-Nova Scotia service operated by Northumberland Ferries Ltd. with 1987 comparisons:

	1988	1987	Change
Autos	162,989	155,623	+4.7%
Recreation Vehicles	14,638	15,237	-3.9%
Commercial Vehicles	22,376	21,350	+4.8%
Trucks	17,771	16,650	+6.7%
Buses	1,484	1,470	+0.9%
Passengers	551,555	538,591	+2.4%

Note: In 1988 the service operated from April 26th to December 12th and in 1987 from May 7th to December 20th.

Souris-Grindstone Service

The following are the 1988 traffic statistics for the Prince Edward Island-Magdalen Islands service operated by CTMA with 1987 comparisons:

	1988	1987	Change
Autos	14,786	15,464	-4.4%
Motorhomes, Vans/Buses, Trucks*	5,605	4,032	+39.0%
Motorcycles, Bicycles	1,426	1,487	-4.1%
Heavy Machinery	19	29	-34.5%
Passengers	53,730	53,207	+1.0%

* The number of auto trailers is included under the heading 'Motorhomes, Vans/Buses, Trucks'.

RAIL

Freight in Carloads

The following are the 1988 statistics for interprovincial rail freight in carloads with 1987 comparisons:

	To PEI	From PEI	Total
1988	427	81	508
1987	1,446	150	1,596
Change	-70.0%	-46.0%	-68.2%

Freight in Tons

The following are the 1988 statistics for interprovincial freight in tons with 1987 comparisons:

	To PEI	From PEI	Total
1988	30,494	5,892	36,386
1987	89,664	8,430	98,074
Change	-66.0%	-30.1%	-62.9%

WATER

Tonnes

The following are the statistics for 1988 waterborne freight for the four principal ports, with 1987 comparisons:

	1988		1987	
	Loaded	Unloaded	Loaded	Unloaded
Charlottetown	3,845	445,941	7,597	428,850
Georgetown	4,200	-	4,596	4,436
Souris	6,351	37,894	2,316	18,776
Summerside	52,743	71,331	56,289	78,626
PEI - Other	-	93,258	-	36,113
Total	67,139	648,424	70,798	566,801
Change from 1987	-5.2%		+14.4%	

Vessels	Arrivals		Departures		Totals	
	1988	1987	1988	1987	1988	1987
Charlottetown	311	155	311	155	622	310
Georgetown	2	5	2	5	4	10
Souris	46	30	46	30	92	60
Summerside	102	74	100	74	202	148
PEI - Other	87	37	87	37	174	74
Totals	548	301	546	301	1,094	602
Change from 1987	+82.06%		+81.40%		+81.7%	

HIGHWAY MAINTENANCE DIVISION

SUMMER MAINTENANCE

Hot mix asphalt for patching crews was available from the last week in May to the first week in November. A total of 50,894.44 tonnes was used by the Branch in repairing the Province's paved road network. Hand patching crews spread 22,213.61 tonnes to repair potholes and other distressed areas; grader crews spread and rolled 11,604.01 tonnes over some larger distressed areas where the pavement was severely wheel-rutted, deformed or cracked; our spreader crew resurfaced 17.66 kilometers of badly distressed pavement with 7,957.61 tonnes of asphalt and contractors spread 1,749.0 tonnes to resurface 1.80 kilometers; deep patching crews jackhammered out some severely damaged sections and repaired them with 2,505.0 tonnes; and another 4,865.21 tonnes were used by crews to repair damage to driveway culverts that occurred because of frost action.

The following is the tonnage of asphalt acquired from each firm:

Gaudettes Transit Mix	1,581.05
H.I. Construction	4,606.44
Curran & Briggs (St. Eleanors)	12,064.17
Curran & Briggs (Lady Fane)	1,623.38
Island Construction	10,221.58
Matheson & MacMillan	8,655.88
Chapman Bros. (Dingwells Mills)	6,465.10
Dennis Construction (Springton)	5,676.84
Total	50,894.44

RESURFACING

The following roads were pulverized in place and resurfaced with 4" lift of asphalt:

Prince County	**District**	**Asphalt**
Harmony Line Road	3rd Prince	0.60 km
MacIsaac Road	3rd Prince	0.20 km
Sunnyside Road	3rd Prince	0.20 km
Belmont	3rd Prince	0.10 km
Albany	4th Prince	0.20 km
East Newton	4th Prince	0.10 km
Freetown Road	4th Prince	0.40 km

Queens County	**District**	**Asphalt**
Melody Lane	3rd Queens	0.25 km
Marion Drive	3rd Queens	0.31 km
East River Drive	3rd Queens	0.21 km
Bethal	3rd Queens	0.38 km
Orwell Cove	4th Queens	1.10 km
Point Prim	4th Queens	0.10 km
Trans Canada Highway	2nd Queens	2.20 km

The following roads were resurfaced with 1 1/2″ lift of asphalt using a spreader:

Prince County	District	Asphalt
Bloomfield	1st Prince	0.30 km
Seacow Pond	1st Prince	0.10 km
Kildare	1st Prince	0.80 km
Coleman	1st Prince	0.20 km
O'Leary Road	1st Prince	0.50 km
Total		1.90 km

Queens County	District	Asphalt
Pond Street	2nd Queens	0.25 km
Crosby Street	2nd Queens	0.20 km
Centennial Drive	5th Queens	0.20 km
Meadowbank Road	2nd Queens	0.25 km
Lot 65-Rte.235	1st Queens	1.10 km
Marion Drive	3rd Queens	0.30 km
Mason Road	3rd Queens	1.00 km
Orwell	4th Queens	1.10 km
Point Prim	4th Queens	1.00 km
Pioneer Drive	5th Queens	0.20 km
Total		5.60 km

Kings County	District	Asphalt
Rte 310 Fortune Bridge	1st Kings	0.18 km
Rte 2 Souris	1st Kings	0.27 km
Rte 16 Chepstow	1st Kings	0.33 km
MacKinnon Pt. Rd.	1st Kings	0.70 km
Rte 340 Fortune Wharf	1st Kings	1.63 km
Rte 22 Peakes	2nd Kings	0.65 km
Rte 22 St. Theresa	2nd Kings	0.75 km
Rte 322 Green Meadows	2nd Kings	1.00 km
Cherry Hill	2nd Kings	0.33 km
Baldwins Rd.	3rd Queens	1.27 km
Queens Rd.	3rd Queens	1.03 km
Rte 17-01 Lwr Montague	4th Kings	0.95 km
Rte 316-01 Heatherdale	3rd Kings	0.27 km
Rte 17-01 Albion	3rd Kings	1.21 km
Peters Road	4th Kings	0.84 km
Peters Road	4th Kings	0.65 km
Total		12.06 km

CRACKFILLING REPORT

This is a process whereby a hot rubberized compound is used to fill random cracks in the paved highway surface to prevent water from entering into substructure.

Durng this 1988 season, the Department routed and sealed 8,728 meters of cracks. A total of 88.5 barrels, or approximately 22,050 kilograms of sealant, was used in carrying out this activity.

By county the breadown was as follows:

Prince County	3,002.5
Queens County	40,409.0
Kings County	35,316.0
Total	78,728
Total Cost	$9,848.43

SEEDING REPORT

The seeding program started June 6 and ended October 2, 1987. During this time the seeding crew used 269.16 tonnes lime, 56.16 tonnes fertilizer, 293 bags of grass seed and 967 bags of mulch for roadside seeding. Also, in cooperation with the Department of Community and Cultural Affairs, we seeded the following sites: Land fill site, Summerside, Charlottetown, Cardigan, Murray River, shale pit Upper Montague; and for Fish and Wildlife: Hardy Mill Dam, Cherry Hill, Tyne Valley.

The seeding operation is a very necessary part of the maintenance program as it helps to eliminate soil erosion from ditches, snowtraps, steep slopes and prevents siltation of rivers, streams, ponds, and also adds immensely to the appearance of our highways.

The equipment used in the seeding program was all Government owned and operated and consisted of: Hydro seeder, grader with scarifiers, one water truck, two farm tractors - one with harrows and one with a roller, one supply truck to carry seed, fertilizer, lime and mulch.

The crew consists of a foreman and six labourers. The seeding crew was also used extensively for cutting grass, weeds, etc., around guardrails in various areas of the Province when conditions would not allow seeding or when waiting for roads to be made ready for seeding.

BUSH CUTTING - 1988

During the season we had five mechanical bush cutters, government owned and operated, working extensively cutting bushes along our highway. In Prince County they cut 2867 pass kms; in Queens County 3539 pass km and Kings County 1697.9 pass kms. Also the Department hired a bush crew for each district consisting of a foreman, two labourers and a 3-ton truck to follow the mechanical bush cutters to pick up debris and trim where the cutter could not reach. This proves to be successful as it eliminates scattered bushes in ditches and improved the appearance of our highways.

The following is the number of kilometers of bush cutting done using mechanical bush cutters by district per county:

District	Pass Km	District	Pass Km	District	Pass Km
1st Prince	560	1st Queens	336	1st Kings	-
2nd Prince	656	2nd Queens	679	2nd Kings	711.0
3rd Prince	915	3rd Queens	1044	3rd Kings	338.0
4th Prince	736	4th Queens	1366	4th Kings	405.5
		5th Queens	114	5th Kings	243.4
Total	2867	Total	3539	Total	1697.9

GRASS CUTTING

The Department hired 20 private grass cutters to maintain 1,814.6 km of roadside grass cutting. they were contracted to cut grass from mid-June until the end of September. The Department used seven (7) government owned farm tractors equipped with a rotary or flail cutters to maintain 1,565 km. of roadside grass cutting from June to September, 1988. In 3rd District of Queens, a 5-man crew of students were used to cut grass weeds around the guardrails in that district. This proved to be a very worthwhile project as it greatly enhanced the appearance of our highway.

SHOULDER MATERIAL

During the past season shoulder material was used to upgrade and repair worn out sections of shoulders on the following roads:

Kensington to Blue Shank Road	3.0 km
Orwell Cove Road	0.8 km
Seven Mile Road	1.0 km
Totals	4.8 km

GUARDRAIL PROGRAM

This year the Department hired seven guardrail crews, two crews in Prince. two crews Queens and three crews in Kings. These crews were used to maintain worn out sections of guardrail on various sections of or highway system across the Province. Also, these crews were used to cut grass and weeds using Whipper Snippers and around guardrails and guideposts in each district.

DUST CONTROL

Flake Calcium Chloride:

One CN carload of flake calcium chloride was used on our unpaved road network to control dust in each county.

Liquid Calcium Chloride:

This was the third year of a new program initiated by the Department in the summer of 1986. Liquid calcium usually a 35% solution, is applied by tanker and spray bar after the gravelled unpaved road has been graded to ensure a smooth riding surface and proper crown

Roads Under Maintenance	District	Kilometres	Litres
Trainor Road	1st Prince	1.50	16,000
Warren Road	2nd Prince	0.60	12,000
Nelligan Road	1st Prince	0.80	12,000
Cheese Factory	1st Prince	0.20	2,000
Back Settlement	1st Prince	0.80	12,000
Old Western Road	1st Prince	0.40	6,000
North Cape	lst Prince	0.44	5,000
Haywood Road	1st Prince	0.40	5,000
Maloney Road	1st Prince	0.80	16,000
Grand Dig	2nd Prince	1.48	16,000
Taddy Road	3rd Prince	1.90	8,000

St. Nicholas	3rd Prince	1.47	8,000
Frank Bell Road		0.50	16,000
Old Town Road	1st Queens	1.10	16,000
Clyde Road	1st Queens	1.00	16,000
Avondale	3rd Queens	1.30	16,000
Total			182,000

This program follows a proposed 4 year cycle where the initial application is reduced downward from 16,000 liters per kilometer the first year to 3,000 liters per kilometer the fourth and final year.

The program, if successful, should become a necessary program as it increases safety and reduces dust pollution, as well as stabilizing the road surface which reduces costs for blading and gravelling unpaved roads.

ROAD MAINTENANCE

During the past year our Distict Motor Graders were used extensively to scrap and maintain our unpaved road network and to reshape and reditch some others. To aid in the later operation, loaders, and trucks (Department or Private) were used to haul away unsuitable material. Sandstone and/or gravel was placed for a new surface material and new culverts, driveway or crosspipes were installed as required.

On our paved road network, a number of drainage problems were corrected. Equipment used to carry out this work included Department or privately owned ditching machines and sometimes Department trucks but mainly privately owned trucks. Again, new culverts, driveway and cross pipes were installed as required.

District Maintenance crews equipped with one 3 ton truck and one backhoe were employed in repairing washouts, installing new culverts to accommodate building permits, replacing and resetting other drainage pipes or culverts and carrying out many other miscellaneous tasks.

Sandstone and/or gravel used to carry out the above tasks of surfacing, repairing washouts and material for drainage pipes was as follows:

	Sandstone (m^3)	**Gravel** (m^3)
Prince County	12,927	10,909
Queens County	19,901	2,523
Kings County	16,961	3,580

The amount of culvert installed was as follows:

Prince County	5,230 meters
Queens County	6,030 meters
Kings County	3,529 meters

The accompanying tables give the location and extent of work done in each county for the past year.

	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains	Snow Traps
FIRST PRINCE							
Brendon Phillips District Supervisor							
Centreline	-	1.9	-	-	-	-	-
Oliver	-	1.1	-	1.1	1.1	-	-
Foy	-	1.1	-	-	-	-	-
Chaisson	-	0.5	-	0.5	0.5	-	-
Pig Brook	-	0.5	-	0.5	0.5	-	-
Gaudet Lane	-	0.3	-	0.3	0.3	-	-
Haywood	-	0.3	-	0.3	0.3	-	-
Fitzpatrick	-	0.2	-	0.2	0.2	-	-
Shields	-	0.2	-	-	-	-	-
Kildare	0.6	-	-	-	-	-	-
St. Edwards	0.5	-	-	-	-	-	-
Howlan	0.4	-	-	-	-	-	-
Miscellaneous	0.6	0.5	-	-	-	-	-
Total	2.1	6.6	-	2.9	2.9	-	-
SECOND PRINCE							
George Frizzell District Supervisor							
Richards	-	1.1	-	-	-	-	-
Division Line	-	1.0	-	-	-	-	-
Hebron	0.4	0.4	-	-	-	0.2	-
Tyne Valley to Birchill	1.8	-	-	-	-	-	-
Western Road	0.5	-	-	-	-	0.1	-
Freeland	0.4	-	-	-	-	-	-
Poplar Grove	0.4	-	-	-	-	-	-
Canada Road	0.4	-	-	-	-	-	-
Shore Road - West Pt.	0.4	-	-	-	-	-	0.2
Miscellaneous	0.8	0.5	-	-	-	0.4	-
Total	5.1	3.0	-	-	-	0.7	0.2
THIRD PRINCE							
Keith Sudsbury District Supervisor							
Ferry	-	0.7	-	0.7	0.7	-	
MacEachern	-	0.6	-	0.6	0.4	0.1	-
John Paul	-	0.5	-	0.5	0.5	0.4	-
Lionel Arsenault	-	0.5	-	0.5	0.5	-	-
Cape Egmont	-	0.3	-	0.3	0.3	-	-
Mom's	-	0.3	-	0.3	0.2	-	-
Perry	-	-	-	0.6	0.6	-	-
Dossitie	-	-	-	0.2	0.4	-	-
Grand River	1.0	-	-	-	-	-	-
Arlington	0.9	-	-	-	-	-	-
Lot 16	0.9	-	-	-	-	-	0.15
Malpeque	0.7	-	-	-	-	-	-
St. Raphael	0.4	-	-	-	-	-	-
St. Timothy	0.4	-	-	-	-	-	-
Cunningham Road	-	0.7	-	-	-	-	-
MacLellan	-	0.6	-	-	-	-	-
Miscellaneous	1.6	0.4	-	-	-	0.45	-
Total	5.9	4.6	-	3.7	3.6	1.0	0.15

	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains	Snow Traps
FOURTH PRINCE							
Alastair MacLeod District Supervisor							
Bedeque Rink	0.4	0.8	-	0.8	0.6	-	-
MacDonald	-	0.3	-	0.3	0.3	-	-
MacMurdo	-	-	-	-	0.9	0.2	-
Inman Shore	-	-	-	-	0.7	-	-
MacCardle Shore	-	-	-	-	0.7	-	-
Freetown Road	1.1	-	-	-	-	-	-
Albany Area	0.9	-	-	-	-	-	-
Blueshank Road	0.7	-	-	-	-	-	-
Green Mill Road	0.7	-	-	-	-	-	-
Chelton	0.5	-	-	-	-	-	-
Linkletter Road	0.5	-	-	-	-	-	-
St. Eleanors Area	0.6	-	-	-	-	-	-
Sherbrooke Area	0.5	-	-	-	-	-	-
Wilmot Area	0.5	-	-	-	-	-	-
County Line	0.4	-	-	-	-	-	-
Craig Road	0.4	-	-	-	-	-	-
Albany Y	0.4	-	-	-	-	-	-
Borden Area	0.4	-	-	-	-	-	-
Kensington to Blueshank	-	-	3.0	-	-	-	-
Miscellaneous	1.4	1.6	-	-	-	-	-
Total	9.4	2.7	3.0	1.1	3.2	0.2	-
Total for County	22.5	16.9	3.0	7.7	9.7	1.9	-
FIRST QUEENS							
Donald Dickieson District Supervisor							
Kerrytown Road	0.2	-	-	-	-	-	-
Breadalbane	1.0	-	-	-	-	-	-
Route 2	0.2	-	-	-	-	-	-
Desable	0.2	-	-	-	-	-	-
Argyle Shore	0.2	-	-	-	-	-	-
T.C.H. Hampton	0.2	-	-	-	-	-	-
Storay Road	0.2	-	-	-	-	-	-
Inkerman Road	0.3	-	-	-	-	-	-
Route 13	0.2	-	-	-	-	-	-
Riverdale	0.2	-	-	-	-	-	-
Millvale	-	1.0	-	1.0	-	1.0	-
South Granville	-	1.2	-	1.2	1.2	-	-
Wharf Road	-	0.7	-	0.7	0.7	-	-
County Line	-	2.5	-	2.5	-	-	-
Center Road	-	0.7	-	0.7	-	-	-
Green Bay	-	-	-	-	1.0	-	-
St. Patricks Road	-	-	-	-	1.0	-	2.1
Total	2.9	6.1	-	6.1	3.9	1.0	2.1

	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains	Snow Traps
SECOND QUEENS							
Clayton Coles District Supervisor							
Mill Road Lot 65	-	0.3	-	0.3	0.3	-	-
Millboro Road	-	2.6	-	2.6	2.6	-	-
Mount Tom	-	0.2	-	0.4	0.4	-	-
Toronto Road	-	1.3	-	0.2	0.2	-	-
Hope River Road	0.3	0.3	-	-	-	-	-
Mayfield Road	0.1	-	-	-	-	-	-
McLure Road	-	0.2	-	-	-	-	-
Ferry Road	0.04	-	-	-	-	-	-
Brookfield	0.04	-	-	-	-	-	-
Bannockburn	0.07	-	-	-	-	-	-
Rennies Road	0.07	-	-	-	-	-	-
Clyde River	0.04	-	-	-	-	-	-
North River	-	0.1	-	0.1	0.1	-	-
Total	0.66	5.0	-	3.6	3.6	-	-
THIRD QUEENS							
Bennett MacIssac District Supervisor							
Frenchfort Road	-	0.5	-	-	0.3	-	-
Websters Corner	-	1.0	-	-	-	-	-
Simpson Lane	-	2.0	-	-	-	0.05	-
Suffolk Road	-	-	-	-	0.4	-	-
MacIntyre Road	-	-	-	-	0.3	-	-
Anderson Road	-	-	-	-	0.3	-	-
Blooming Pt. Rd	-	0.1	-	-	-	-	-
North Winsloe	0.5	-	-	-	-	-	-
Royalty Junction	-	0.1	-	-	-	-	-
Monaghan Road	-	-	-	-	-	0.3	-
Total	0.5	3.7	-	-	1.3	0.35	-
FOURTH QUEENS							
Richard Rooney District Supervisor							
Settlement Road	-	0.8	-	0.8	-	-	-
Point Prim Road	0.2	-	-	-	-	-	-
Camp Buchan Rd	-	-	-	0.8	0.8	-	-
Murrays Road	-	-	-	0.2	0.2	-	-
Grey Road	-	1.4	-	1.8	1.8	-	-
Wood Island Rd	0.3	-	-	-	-	-	-
Belle River Rd	-	-	-	0.2	0.2	0.2	-
Munns Road	-	-	-	0.2	0.2	-	-
Culloden Road	-	1.5	-	1.5	1.5	-	-
Waterside Rd	-	1.2	-	1.2	1.0	-	-
Centre Rd	-	0.6	-	0.6	0.6	-	
Orwell Cove Rd	-	-	0.8	-	-	-	-
Ganes Rd	-	-	-	0.5	0.5	-	-
Totals	0.5	5.5	0.8	7.8	6.8	0.2	
Totals for County	4.56	20.3	0.8	17.5	12.0	1.55	2.1

	Paved Roads	Unpaved Roads	Shoulders	Graded	Surfaced	Tap Drains	Snow Traps
FIRST KINGS							
George Saville District Supervisor							
Grant Rd	-	1.0	1.0	1.0	1.0	-	-
MacPhee Rd	-	0.6	0.6	0.6	0.6	-	-
Bear River	0.4	-	0.4	-	-	-	-
Light House Rd	-	-	-	-	0.4	-	-
New Harmony	-	-	-	-	0.3	-	-
Total	0.4	1.6	2.0	1.6	2.3	-	-
SECOND KINGS							
Robert Rowell District Supervisor							
Douglas Station	-	-	1.0	1.0	0.1	-	-
Head of Hillsboro	-	-	0.6	0.6	-	-	-
Indian Road	-	-	1.4	1.4	0.4	-	-
Bangor Road	-	-	0.9	-	-	-	-
Lakeside	-	-	0.3	-	-	-	-
Total	-	-	4.2	3.0	0.5	-	-
THIRD KINGS							
Bernard Koke District Supervisor							
Ward Rd	-	1.0	1.0	1.0	1.0	-	-
Brudenell Loop	-	0.8	0.8	0.8	0.8	-	-
Peardon Rd	-	0.2	0.2	0.2	-	-	-
Redmond Rd	-	0.4	0.4	0.4	0.4	-	-
Hazel Green Rd	-	0.1	0.1	0.1	0.1	-	-
Brothers Rd	-	1.0	1.0	1.0	1.0	-	-
Head of Montague	0.4	-	0.4	-	-	-	-
Greenfield	0.4	-	0.4	-	-	-	-
Rte 33070	0.5	-	0.5	-	-	-	-
Total	1.3	3.5	4.8	3.5	3.3	-	-
FOURTH KINGS							
Irving MacKay District Supervisor							
MacRae	-	0.9	0.9	-	-	-	-
Greek River	-	1.3	-	-	1.3	-	-
Whitmans Pt.	-	0.3	-	-	0.3	-	-
Livingstone	-	0.1	0.1	-	-	-	-
Murray Harbour Rd.	-	-	1.1	-	-	-	-
Lower Montague Rte	-	-	0.8	-	-	-	-
Total	-	2.6	2.9	-	1.6	-	-
FIFTH KINGS							
George MacPherson District Supervisor							
Whitty Road	-	-	2.0	2.0	0.5	-	-
Green Hill Road	-	-	2.5	2.5	-	-	-
Burnt Pt. Rd	-	-	0.8	0.8	-	-	-
Creek Rd.(Launching)	-	-	1.3	1.3	-	-	-
Whitty Rd. Gradall	-	-	0.5	-	-	-	-
Rte 2 (Farmington)	-	-	0.5	-	-	-	-
Total	-	-	7.6	6.6	0.5	-	-
Totals for County	1.7	7.7	21.5	14.7	8.2	-	-

WINTER MAINTENANCE

ICE CONTROL

Winter activities for this Branch of the Department includes salting and sanding operations, temporary repairs to paved road - 1,500 tonnes of cold mix asphalt was used along with a number of tonnes of recycled hot mix asphalt produced from our three asphalt recyclers, repairing of shoulder washout, the maintaining and cleaning of culverts, catch basins and ditches to accommodate run-offs caused by freshets and snow removal or clearing from eight government buildings in the Charlottetown area.

Ice control on the Trans Canada Highway and on the main collector roads was maintained by the direct application of road salt. Approximately 483 kilometers having a two lane equivalent of 626 kilometers were maintained with road salt.

The total tonnage of salt acquired was 28,435 tonnes, a slight increase from the 21,813 tonnes acquired in 1987-88.

The City of Charlottetown purchased 1949.0 tonnes of salt from the Department. In 1987-88 the City purchased 1,795.6 tonnes.

The Department purchased 74,981.17 tonnes of blended winter sand. The blended material consisted of 6.5% salt, 20% crushed 1/4 minus stone and 73.5% local sand. During the past year there were 37 sand piles located throughout the province.

Ice control in Queens County on the main 185 kilometers of highway that has a two lane equivalent of 249 kilometers was maintained by the direct application of road salt. Four single axle trucks and four tandem trucks of which three were equipped with plowing gear were utilized for this purpose. Ice control on the remaining approximately 1,625 kilometers of road was maintained by sand/salt mix obtained from 13 sand stockpiles throughout the County. Seventeen trucks manned by two labourers, two trucks equipped with a tow-behind spreader and eight trucks equipped with automatic spreaders were hired to carry out this activity. In addition, five department trucks were utilized to provide this service in the built-up areas near Charlottetown.

Ice control in Prince County on the main kilometers of highway, two-lane highway, was maintained by the direct application of road salt. Three tandem trucks equipped with plowing gear and two tandem trucks were utilized for this purpose. Ice control on the remaining approximately 1,400 kilometers was maintained by a sand/salt mix obtained from 13 sand stockpiles throughout the County. Sanding operations were carried out by seven trucks manned with two labourers each, three trucks with tow behind spreaders and five automatic spreaders. In addition, three department trucks were utilized to provide this service in the built-up areas, two for the Summerside area and one for the Tignish area.

Ice control in Kings County on the main 103 kilometers of road, equivalent to 128 kilometers of two-lane highway, was maintained by the direct application of road salt. The remaining 1,100 kilometers was maintained by a sand/salt mix obtained from 12 stockpiles located throughout the County. Twenty-two sand trucks manned with two labourers each, two trucks equipped with two behind spreaders and three trucks equipped with automatic spreaders were utilized in this operation.

SNOW REMOVAL

The total snowfall recorded for the 1988-89 seasons for Charlottetown and Summerside were as follows:

	Charlottetown		Summerside	
	Recorded (cm)	Normal (cm)	Recorded (cm)	Normal (cm)
November	8.2	21.6	19.4	17.0
December	83.2	72.2	50.8	60.4
January	66.8	76.8	54.0	66.7
February	87.6	65.8	82.2	55.9
March	69.8	61.6	77.6	54.9
April	36.6	27.3	29.0	24.0
Total	352.2	325.8	313.0	282.8

In Charlottetown the heaviest snowfall occurred on January 21st - 22.4 cm. In Summerside the heaviest snowfall occurred on March 17th - 29.2 cm.

The following is a breakdown of the contract areas of the second year of a three-year contract with the private contractors and a list of equipment used by each:

SNOW PLOW REPORT

Contractor	Km	Contract Area	Graders	Loaders	Trucks	Blowers
AREA 1						
Hynes Trucking	42.0	3rd & 4th Kings, 4th Queens	3	1	1	1
Kings County Const	169.0	2nd, 3rd, & 4th Kings, 3rd Queens	3	3	3	2
Crosby's	29.7	2nd Queens	1	1	2	1
Island Coastal	97.7	1st & 2nd Queens	3	2	2	2
Island Excavators	139.9	1st Queens & 4th Prince	2	1	3	4
Maritime Const	143.3	1st & 2nd Queens, 4th Prince	5	3	3	2
Island Const. Ltd	149.3	3rd & 4th Queens, 2nd & 3rd Kings	4	1	2	1
Dennis Const	60.9	3rd Queens	2	1	1	2
Chapman Bros	153.43	1st Kings	4	4	4	2
Total of Area 1	985.23		27	17	21	17
AREA 2						
Northern Enterprise	143.7	1st Prince	2	2	3	2
Ramsay's Washed Gravel	245.6	1st & 2nd Prince	4	6	2	4
Curran & Briggs	191.9	2nd & 3rd Prince	5	3	-	2
Comet Const	105.2	2nd & 3rd Prince	4	1	-	2
Westisle Const	115.7	4th Prince	3	2	-	1
Toombs & Cobb	107.9	4th Prince	4	1	1	1
Montgomery Const	132.2	1st Queens, 4th Prince	5	2	4	2
Matheson & MacMillan	160.6	2nd, 3rd & 5th Queens	2	4	-	2
A.J.L. Ltd	41.4	3rd Prince	2	1	-	1
Total of Area 2	1,244.20		31	22	10	17
GRAND TOTAL	2,229.43		58	39	31	34

The Department was responsible for plowing 2392.81 kilometers this year. To this end, 74 routes were established. The following equipment, including spare equipment, was assigned and located as follows:

Location	Km.	Graders	Walter Trucks	Letourneau	Blowers	Loaders	Other Truck
PRINCE COUNTY							
Christopher's Cross	28.4	1	-	-	-	-	-
Harper Road	37.8	-	-	-	-	1	-
Alma	28.8	1	-	-	-	-	-
Alberton	32.1	1	-	-	-	-	-
St. Louis	38.1	-	-	-	1	1	-
Elmsdale	-	-	-	-	1	-	-
Fortune Cove	34.5	-	1	-	-	-	-
Poplar Grove	64.9	2	-	-	-	-	-
Coleman	36.9	1	-	-	-	-	-
Albany	31.6	1	-	-	-	-	-
Summerside Garage	246.6	2	1	-	4	2	5
Summerside Garage - Spares	-	2	2	-	-	-	-
Totals	579.7	11	4	-	6	4	5
QUEENS COUNTY							
Canoe Cove	53.0	1	-	-	-	1	-
Warren Grove	20.2	-	-	-	-	1	-
Cornwall	21.5	1	-	-	-	-	-
Stanley Bridge	23.9	1	-	-	-	-	-
North Rustico	30.7	-	-	-	-	1	-
South Rustico	-	-	-	-	1	-	-
Hunter River	33.0	-	-	-	-	-	1
Hampshire	25.7	1	-	-	-	-	-
Alexandria	24.3	-	-	-	-	1	-
Earnscliffe	27.5	1	-	-	-	-	-
Seal River	23.85	-	-	1	-	-	-
Millview	-	-	-	-	1	-	-
Iona	40.0	-	-	-	-	-	1
Eldon	78.3	1	1	-	-	-	-
Wood Island	56.6	-	-	-	-	-	1
Belle River	43.3	-	-	-	-	-	1
Charlottetown Garage	305.26	5	-	-	4	5	5
Charlottetown Garage - Spares	-	3	2	1	-	-	-
Totals	807.11	14	3	2	6	9	9
KINGS COUNTY							
Murray River	89.1	1	-	-	-	-	1
Gurnsey Cove	37.9	1	-	-	-	-	-
Alliston	35.2	1	-	-	-	-	-
Kilmuir	44.7	-	-	-	-	-	-
Gaspereaux	47.9	-	-	-	-	-	1
Sturgeon	34.5	1	-	-	-	-	-
Georgetown	62.0	1	-	-	-	-	1
Cardigan	23.4	1	-	-	-	-	-
Dundas	58.8	1	1	-	1	-	-
St. Georges	50.9	2	-	-	-	-	-
Little Pond	31.2	1	-	-	1	-	-
Farmington	25.7	1	-	-	-	-	-
Savage Harbour	-	-	-	-	1	-	-
Head of Hillsboro	31.3	-	-	-	1	-	-
Peakes	24.4	1	-	-	-	-	-
Morell	77.9	1	-	-	-	-	1
Bristol	25.2	1	-	-	-	-	-
St. Peters	-	-	-	-	1	-	-

Location	Km.	Graders	Walter Trucks	Letourneau	Blowers	Loaders	Other Truck
Forest Hill	30.9	1	-	-	-	-	-
Goose River	27.5	-	-	-	-	1	-
Cable Head	35.6	-	1	-	-	-	-
Rollo Bay	38.6	-	-	-	-	-	1
Fortune	-	-	-	-	1	-	-
Rockbarra	33.2	1	-	-	-	-	-
East Point	37.4	1	-	-	-	-	-
Totals	903.3	17	2	-	6	1	5
TOTAL THREE COUNTIES	2,308.11	42	9	2	18	14	19

SNOW FENCE REPORT

The Department was responsible for putting up 2,346.96 m of snow fence. It was distributed as follows:

County	Feet	Meters
Prince County	3,500′	1066.80 m
Queens County	3,000′	914.40 m
Kings County	1,200′	365.76 m

MECHANICAL BRANCH

The Mechanical Branch is responsible for the acquisition and maintenance of vehicles and equipment owned and operated by the Department of Transportation and Public Works. These vehicles are primarily used for snow control and pavement maintenance.

In 1988 the fleet upgrade programme continued with the purchase of four graders, four 4 × 4 trucks for plowing snow, and two tandem axle trucks. Custom designed and built plowing equipment was purchased for these vehicles.

The computerized inventory management programme was installed and fully operational by year end. With processing provided by the Provincial Government's central computer, the system provides instant maintenance and inventory control.

This year the decision was made to hire a senior manager for the branch in Charlottetown. His mandate is to introduce a variety of programmes to improve the organization and efficiency of the garage. He was hired to begin employment at year end, and will report to the Director of Road Maintenance and Mechanical Branches.

HIGHWAY CONSTRUCTION DIVISION

CHIEF ENGINEER'S REPORT 1988-1989

SUBSIDIARY AGREEMENT ON TRANSPORTATION

The year 1988 was the last year of a five year program for cost shared work under this agreement. Projects cost shared with the Federal Government are confined to the Provinces major highways. There were 12.85 kilometers of new reconstruction projects under way and 29.28 kilometers of asphalt seal were placed. Nine tenders were called for cost shared work.

PROVINCIAL RECAP PROJECTS

This Program involves the strengthening and resurfacing of existing rural paved roads. During the 1988 construction season there were tenders called for recap on a Province wide basis and 80.01 kilometers were strengthened to all weather standards. In addition to this work 17.28 kilometers left from other years were completed.

PROVINCIAL PAVING PROGRAM

Work under this program involves grading, gravelling and/or paving of previously unpaved roads, and 15.48 kilometers of new pavement was added to the rural road network and 2.46 kilometers of new sub-division streets were paved.

BRIDGE CONSTRUCTION AND MAINTENANCE

No major bridges were built in this construction season. There were however the usual number of small crossings rebuilt or repaired as shown in the bridge Engineers report.

OTHER SECTIONS

Reports from the Materials Lab, Planning and Traffic follow as part of this report.

BRIDGE REPORT

In addition to the maintenance work consisting of replacing fill and rip-rap, making structural repairs and painting, the following is a summary of the work carried out during the year:

PRINCE COUNTY

District	Name/Location	Description
1	Dalton Ave.(Tignish)	Constructed a creosote timber box 2′ × 3′ in Section by 50′ long
1	Palmer Road	Constructed two creosote timber boxes the first being 2′ × 3′ in section by 56′ long, the second being 2′ × 3′ in section by 50′ long

2	Conway	Constructed a creosote timber box 2′ × 5′ in section by 28′ long
2	Ellerslie	Constructed six creosote timber boxes 2′ × 4′ in section by 40′ long; also constructed creosote timber box 4′ × 4′ in section 47′ long
2	Enmore	Constructed a multiplated galvanized steel plated arch 6′ in diameter by 58′ long, also constructed a creosote timber box 3′ × 5′ in section by 50′ long
2	Carleton	Extended existing structure with creosote timber box 6′ × 5′ in section by 95′ long
2	Tyne Valley	Constructed a concrete box 7.88′ × 9.84′ in section by 40′ long
3	Urbainville	Constructed six creosote timber boxes 2′ × 4′ in section by 50′ long
3	Baltic	Constructed a creosote timber box 2′ × 4′ in section by 44′ long
4	St. Eleanors	Constructed a creosote timber box 4′ × 5′ in section by 137′ long
4	St. Eleanors Dr.	Constructed a creosote timber box 2′ × 5′ in section by 50′ long
4	Lower New Annan	Constructed a creosote timber box 6′ × 16′ in section by 72′ long
4	New Annan	Constructed a creosote timber box 6′ × 7′ in section by 136′ long

QUEENS COUNTY

1	Millvale	Constructed a creosote timber trestle pile bridge 25′ in width by 20′ span
2	Ebenezer	Constructed two creosote timber boxes 3′ × 5′ in section by 50′ long
2	North Milton	Constructed three creosote timber boxes 2′ × 4′ in section by 48′ long
3	Southport	Constructed a creosote timber box 3′ × 5′ in section by 60′ in length
4	Belfast	Constructed a multiplated galvanized steel arch 16′ in diameter by 120′ in length

KINGS COUNTY

1	North Lake	Constructed a creosote timber box 3′ × 5′ in section by 350′ in length
5	Panmure Island Causeway	Reconstructed a breakwall being 6′ in height by 1000 metres in length

E.R.D.A. REPORT 1988-1989

	Soil Cement Removal	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To Be Sealed
2nd PRINCE							
Rte 2 Ellerslie-MacNeills Mill Road	-	-	-	-	3.70	-	
Rte 2 MacNeills Mills to Portage Rd	-	-	-	-	5.86	-	-
Subtotal	-	-	-	-	9.56	-	-
3rd PRINCE							
Rte 2 Miscouche to Kinsmen Rd	-	-	-	-	2.06	-	
Subtotal	-	-	-	-	2.06	-	-
4th PRINCE							
Rte 2 Kingsmen Rd to CFB Int	-	-	-	-	1.54	-	-
Rte 2 Kensington to New Annan	-	-	-	-	3.40	-	
Rte 2 Central St to CFB Int	-	-	3.48	3.48	-	3.48	3.48
Rte 1A Middleton to Central Bedeque	-	-	-	-	5.20	-	-
Subtotals	-	-	3.48	3.48	10.14	3.48	3.48
Total Prince County	-	-	3.48	3.48	21.76	3.48	3.48
3rd QUEENS							
Rte 2 East Suffolk Rd - York Rd	3.45	3.45	-	3.45	-	3.45	3.45
Rte 2 East York Rd - Norwood Int	1.92	1.92	-	1.92	-	1.92	2.13
Subtotal	5.37	5.37	-	5.37	-	5.37	5.58
4th QUEENS							
Cherry Valley Millview Rte 3	-	-	-	-	3.12	-	-
Subtotal	-	-	-	-	3.12	-	-
5th QUEENS							
York Rd - Norwood Int	-	-	-	-	-	-	1.00
Subtotal	-	-	-	-	-	-	1.00
Total Queens County	5.37	5.37	-	5.37	3.12	5.37	6.58
1st KINGS							
Rte 2 St. Charles-Rollo Bay	-	-	-	-	4.40	-	-
Subtotal	-	-	-	-	4.40	-	-
3rd KINGS							
Summerville to New Perth Rte 3	4.00	4.00*	-	4.00	-	4.00	4.00
Subtotal	4.00	4.00	-	4.00	-	4.00	4.00
Total Kings County	4.00	4.00	-	4.00	4.40	4.00	4.00
TOTAL	9.37	9.37	3.48	12.85	29.28	12.85	14.06

*Summerville - New Perth Gravel Base was imported crushed rock.

PRINCE COUNTY PROVINCIAL PAVING REPORT 1988-1989

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
1st PRINCE								
Knox Road	-	0.58	-	-	-	-	-	-
Settlement Rd.	-	0.76	-	-	-	-	-	-
Maloney Rd	-	0.80	-	-	-	-	-	-
Old Western Rd	-	0.45	-	-	-	-	-	-
Haywood Rd.	-	0.42	-	-	-	-	-	-
North Cape Rd.	-	0.44	-	-	-	-	-	-
Center Line Rd	1.50	0.50	-	-	-	-	-	-
Thompson Rd.	-	-	1.50	1.50	1.50	-	-	-
Kelly Rd	-	1.40	1.40	1.40	1.40	-	-	-
Central St (Tignish)	-	-	-	0.13	-	0.13	-	-
Sea Cow Pond	Slurry Seal	-	-	1.89	-	-	-	-
DeBlois Rd	-	1.00	-	-	-	-	-	-
Sheilds Rd	0.40	0.40	-	-	-	-	-	-
Foy Rd	1.10	1.10	-	-	-	-	-	-
Subtotal.	3.00	7.85	2.90	4.92	2.90	0.13	-	-
2nd PRINCE								
Cedar Dunes	0.48	0.48	0.48	0.48	0.48	-	-	-
Shore Rd (Cape Wolf)	-	-	-	1.10	-	1.10	-	-
Bideford Rd.	-	1.44	-	-	-	-	-	-
Locke Rd	-	1.00	-	-	-	-	-	-
Division Line Rd	-	1.00	-	-	-	-	-	-
Richards Rd	1.00	-	-	-	-	-	-	-
Subtotal.	1.48	3.92	0.48	1.58	0.48	1.10	-	-
3rd PRINCE								
Cameron Rd	-	0.70	0.70	0.70	0.70	-	-	-
Mt. Carmel Rd	-	-	0.14	0.14	0.14	-	-	-
St. Timothy Rd	-	-	0.32	0.32	0.32	-	-	-
Wellington (Mall Rd)	0.10	0.10	0.42	0.42	0.42	-	-	-
St. Nicholas Rd	-	1.47	-	-	-	-	-	-
Taddy Rd.	-	1.94	-	-	-	-	-	-
Gallant Rd.	-	0.10	-	-	-	-	-	-
Richards Rd	-	0.32	-	-	-	-	-	-
Furlotte Rd	1.00	-	-	-	-	-	-	-
Mill Rd.	-	0.68	-	-	-	-	-	-
Subtotal.	1.10	5.31	1.58	1.58	1.58	-	-	
4th PRINCE								
Raynor Camp Rd	-	0.40	0.40	0.40	0.40	-	-	-
Baker Rd.	-	0.10	0.10	0.10	0.10	-	-	-
Bowlan Rd*	0.46	0.46	0.46	0.46	0.46	*Single Lane	-	-
Tanton Dr	0.08	0.08	0.08	-	0.08	-	0.08	-
School St. (Kensington)	-	-	-	0.42	-	0.42	-	-
Summerfield-Kensington-Rt2 - cleanup								
MacMurdo Rd.	-	0.86	-	-	-	-	-	-
Reid Rd.	-	0.42	-	-	-	-	-	-
Kelly Dr Ext.	0.03	0.03	0.03	0.03	0.03	-	-	-
Bedeque Rd	Slurry Seal	-	-	1.00	-	-	-	-
Subtotal.	0.57	2.35	1.07	2.41	1.07	0.42	0.08	-
PRINCE TOTALS	6.15	19.43	6.03	10.49	6.03	1.65	0.08	-

*Single Lane

QUEENS COUNTY PROVINCIAL PAVING REPORT 1988-1989

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
1st QUEENS								
Mullin (Green) Rd	-	0.60	0.60	-	0.60	-	0.60	-
Millvale Rd	1.06	1.06	1.06	1.06	1.06	-	-	-
Frizzell Rd.	-	-	-	-	-	-	-	-
(Pickering)	0.68	0.68	Chip Seal	0.68	-	-	-	-
Bonshaw TCH	Slurry Seal		-	0.63	-	-	-	-
Lady Fane Rd (Co Line)	-	1.05	-	-	-	-	-	-
Dixon Rd	-	1.20	-	-	-	-	-	-
Subtotals	1.74	4.59	1.66	2.37	1.66	-	0.60	-
2nd QUEENS								
Callaghan Rd	0.40	-	-	-	-	-	-	-
Millboro Rd	1.30	0.86	-	-	-	-	-	-
Cornwall Intersection - Landscape								
Elliott Park Sub-Division - Tap Drain								
Ft. Amherst - Sandstone and Culverts								
Brookfield Hill - Repair Heaves								
Subtotal	1.70	0.86	-	-	-	-	-	-
3rd QUEENS								
Rosebank Rd	-	-	0.34	-	0.34	-	0.34	-
Aptos Dr	0.14	0.14	0.34	-	0.34	-	0.34	-
Aptos Dr*	0.11	0.11	0.11	-	-	0.11	0.11	-
Dunn Rd*	-	0.36	0.36	0.36	0.36	-	-	-
Spruce Lane	-	0.75	Chip seal	0.75	-	-	-	-
Keppoch Rd	-	-	Chip Seal	2.00	-	-	-	-
Lower Marshfield Rd	-	0.60	-	-	-	-	-	-
Queens Pt Rd.	-	0.70	-	-	-	-	-	-
McQuirk Rd.	-	0.40	-	-	-	-	-	-
Dramore Rd	-	0.40	-	-	-	-	-	-
Hardy Mill Rd	-	1.32	-	-	-	-	-	-
Fanningbrook Road	-	1.60	-	-	-	-	-	-
Simpson Rd	2.00	-	-	-	-	-	-	-
Subtotal	2.75	6.38	1.15	3.11	1.04	0.11	0.79	-
4th QUEENS								
Stewart Rd (Garfield Rd)	-	0.70	0.70	-	0.70	-	0.70	-
Gay Rd	-	-	1.00	-	1.00	-	1.00	-
Wood Islands Rd.								
Shoulder repair	-	-	0.55	-	-	-	-	-
Selkirk Rd	1.50	1.50	-	-	-	-	-	-
Subtotal	1.50	2.20	2.25	-	1.70	-	1.70	-
5th QUEENS								
Prince St. Wharf Rd	-	-	0.09	-	0.09	-	-	-
Mt. Edward & St Peters Intersection - Engineering								
Subtotal	-	-	0.09	-	0.09	-	-	-

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
6th QUEENS								
Kennedy Rd	0.24	0.24	0.24	-	0.24	-	0.24	-
Beach Grove Rd	1.00	1.00	1.00	-	-	-	1.50	-
Storm Sewer & Shoulder paving North River Rd Storm Sewer								
Subtotals	1.24	1.24	1.24	-	0.24	-	1.74	-
QUEENS TOTAL	8.93	15.27	6.39	5.48	4.73	0.11	4.83	-

*Single Lane

KINGS COUNTY PROVINCIAL PAVING REPORT 1988-1989

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
1st KINGS								
Knight Ave	-	0.05	0.50	0.30	-	0.30	-	-
Sheehan Rd	-	0.40	-	-	-	-	-	-
Greenvale Rd	-	0.20	-	-	-	-	-	-
St. Charles Rd	-	0.18	0.18	-	-	0.18	0.18	-
Souris Line Rd	-	0.26	0.26	-	-	0.26	0.26	-
Subtotal	-	1.09	0.94	0.30	-	0.74	0.44	-
2nd KINGS								
MacDougall Rd	1.35	1.35	-	-	-	-	-	-
Upton Rd	-	0.24	0.24	0.24	0.24	-	-	-
Settlement Rd	-	1.00	-	-	-	-	-	-
Subtotal	1.35	2.59	0.24	0.24	0.24	-	-	-
3rd KINGS								
Montague								
Main St & Queen Rd Intersection	-	-	-	0.28	-	0.28	-	-
Peardon Rd	-	0.64	0.64	0.64	0.64	-	-	-
Peardon Rd	-	0.16	0.16	0.16	0.16	-	-	-
Victoria Cross Rd	-	0.56	0.56	0.56	0.56	-	-	-
Down East Mall Intersection (Montague)	-	-	-	0.26	-	-	-	-
Robertson Rd Widen shoulder	0.10	0.10	-	-	-	-	-	-
Subtotal	0.10	1.46	1.36	1.90	1.36	0.28	-	-
4th KINGS								
Montague Main St	0.40	0.40	0.40	0.40	-	0.40	-	-
Storm Sewer & Shoulders								
Montague Main St	-	-	-	0.77	-	0.77	-	-
Abney Rd	-	-	0.55	0.55	0.55	-	-	-
MacRae's Mill Rd	0.84	0.84	-	-	-	-	-	-
Murray Harbour Rd - Snowtrap								
Subtotal	1.24	1.24	0.95	1.72	0.55	1.17	-	-

	Grade	Gravel	Base	Seal	New Pave	New Recon	To be Sealed	Fine Grade Gravel
5th KINGS								
Burnt Pt. Rd	0.35	-	-	-	-	-	-	-
Ferry Whf Rd (Georgetown Royalty)	0.80	-	-	-	-	-	-	-
MacKay Rd (Pembrook)	-	0.16	0.16	0.16	0.16	-	-	-
Marsh Rd	-	1.30	-	-	-	-	-	-
Howlett Rd*	-	0.16	0.16	0.16	0.16	-	-	-
Subtotal	1.15	1.62	0.32	0.32	0.32	-	-	-
KINGS TOTAL	3.84	8.00	3.81	4.48	2.47	2.19	0.44	-
TOTALS	18.92	42.70	16.23	20.45	13.23	3.95	5.35	-
From Recap Report					2.25			
					15.48			

*Single Lane

PRINCE COUNTY PROVINCIAL RECAP REPORT 1988-1989

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed	New Pave
1st PRINCE								
Dalton Ave	-	-	-	-	1.41	1.41	-	-
Palmer Road	0.20	0.20	-	0.20	1.70	1.70	-	-
Howlan Road	1.35	1.35	-	1.35	1.35	1.35	-	-
O'Leary Road	2.00	2.00	-	2.00	-	2.00	2.00	-
O'Leary Sts - Park and Ellis	-	-	-	-	0.58	0.58	-	-
Western Rd (Bloomfield to Foy Rd)	3.10	-	3.10	3.10	-	3.10	3.10	-
Church Street (Tignish)	-	-	-	-	0.44	0.44	-	-
Subtotal	6.65	3.55	3.10	6.65	5.48	10.58	5.10	-
2nd PRINCE								
Shore Rd West Point	0.25	0.25	-	0.25	3.00	3.00	-	-
Ellerslie Rd	0.26	0.26	-	0.26	3.00	3.00	-	-
Portage Rd	-	0.16	-	0.16	1.00	1.00	-	-
Northam Rd	-	-	-	-	2.60	-	-	-
Subtotals	0.51	0.67	-	0.67	9.60	7.00	-	-
3rd PRINCE								
MacIssac Rd	-	0.10	-	0.10	1.00	1.00	-	-
Malpeque Rd	0.24	0.24	-	0.24	2.00	2.00	-	-
Egmont Bay Rd	2.30	2.30	-	2.30	2.30	2.30	-	-
Fifteen Pt Rd	-	-	-	-	2.00	-	-	-
Subtotals	2.54	2.64	-	2.64	7.30	5.30	-	-
4th PRINCE								
Summerside West	0.58	0.58	-	0.58	0.58	0.58	-	-
Cairns Rd	2.26	2.26	-	2.26	3.36	3.36	-	-
St. Eleanors	0.74	0.74	-	2.26	-	1.52	2.26	0.74
North Dr-Lyle Rd	-	-	-	-	-	-	-	-
McEwen Rd (New Lane)	-	-	-	-	-	-	-	-
Subtotals	3.58	3.58	-	5.10	3.94	5.46	2.26	0.74
Totals Prince County	13.28	10.44	3.10	15.06	26.32	28.34	7.36	0.74

QUEENS COUNTY PROVINCIAL RECAP REPORT 1988-1989

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed	New Pave
1st QUEENS								
Tryon Rd (Kelly's Cross)	1.25	1.25	-	1.25	2.20	2.20	-	-
Inkerman Road	-	-	-	-	2.10	2.10	-	-
Irishtown Rd	1.58	1.58	-	1.58	1.58	1.58	-	-
Bedeque Rd (Hartsville)	-	-	-	-	3.28	-	-	-
Subtotal	2.83	2.83	-	2.83	9.16	5.88	-	-
2nd QUEENS								
Rustico Rd	0.67	0.67	-	1.50	1.50	1.50	-	-
Rustico Rd	0.48	0.48	-	2.00	-	2.00	2.00	-
Glasgow Road	-	-	-	-	3.00	3.00	-	-
Wiltshire Rd	0.03	0.03	-	-	1.76	1.76	-	-
Rustico Road Diversion	0.36	0.36	-	0.36	-	-	0.76	-
North River Intersection TCH	0.72	0.72	-	0.72	0.72	0.72	-	-
Milton Station Rd	-	-	-	-	2.00	2.00	-	-
Subtotal	2.26	2.26	-	4.58	8.98	10.98	2.76	-
3rd QUEENS								
Mt. Stewart-Main St	-	-	-	-	1.08	1.08	-	-
Ft. Agustus Rd	1.00	1.00	-	1.00	2.21	2.21	-	-
Winsloe Road	-	-	-	-	4.10	4.10	-	-
TCH (Crossroads)	0.80	0.80	(shoulder)	0.80	0.80	0.80	-	-
Subtotals	1.80	1.80	-	1.80	8.19	8.19	-	-
4th QUEENS								
West Earnscliffe	1.84	1.84	-	1.84	-	1.84	1.84	-
Center Earnscliffe	0.88	0.88	-	0.88	0.88	0.88	-	-
Wood Islands Shore Rd	0.16	0.16	-	0.16	2.00	2.00	-	-
Selkirk Rd	-	-	-	-	2.60	-	-	-
Subtotals	2.88	2.88	-	2.88	5.48	4.72	1.84	-
5th QUEENS								
Pine Dr	0.89	0.89	-	0.89	0.89	0.89	-	-
Walnut Dr	-	-	-	0.22	0.22	0.22	-	-
Rosedale Dr	0.22	0.22	-	0.22	0.22	0.22	-	-
Blanchard Dr	0.31	0.31	-	0.31	0.31	0.31	-	-
Lombard Dr	0.21	0.21	-	0.21	0.21	0.21	-	-
Tamarac Av	0.25	0.25	-	0.25	0.25	0.25	-	-
Dale Dr	0.18	0.18	-	0.18	0.18	0.18	-	-
Maxfield Av	0.35	0.35	-	0.35	0.35	0.35	-	-
Maple Av (1987)	-	-	-	-	1.64	-	-	-
Roper Dr (1987)	-	-	-	-	0.34	-	-	-
Ch'town Perimeter Road	0.58	0.58	-	0.58	0.58	-	-	0.58
Norwood Rd (Sobeys Rd)	0.46	0.46	-	0.46	0.46	-	-	0.46
Oak Drive Extension	0.47	0.47	-	0.47	0.47	-	-	0.47
Northridge Parkway	0.50	-	-	0.50	0.50	0.50	-	-
Lower Wrights Creek	-	-	-	-	1.29	1.29	-	-
St. Peters Rd-Parkdale - Engineering								
Subtotals	4.42	3.92	-	4.64	7.91	4.42	-	1.51

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed	New Pave
6th QUEENS								
West Royalty Streets:								
Kirkaldy Dr	0.20	0.20	-	0.20	-	0.20	0.20	-
Cottonwood Dr	0.25	0.25	-	0.25	-	0.25	0.25	-
Wallace Dr.	0.28	0.28	-	0.28	-	0.28	0.28	-
Enman Cr.	-	-	-	-	0.15	0.15	-	-
Subtotals	0.73	0.73	-	0.73	0.15	0.88	0.73	-
Total Queens County	14.92	14.42	-	17.46	39.87	35.07	5.33	1.51

KINGS COUNTY PROVINCIAL RECAP REPORT 1988-1989

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Recon	To be Sealed	New Pave
1st KINGS								
North Lake Rd	-	-	-	-	1.79	1.79	-	-
Munn's Road	-	-	-	-	0.80	0.80	-	-
East Point Rd	-	-	-	-	1.52	-	-	-
Subtotal	-	-	-	-	4.11	2.59	-	-
2nd KINGS								
Bangor Rd	-	-	-	-	2.30	-	-	-
Subtotal	-	-	-	-	2.30	-	-	-
3rd KINGS								
Queens Road	0.34	0.34	-	0.34	1.86	1.86	-	-
Subtotals	0.34	0.34	-	0.34	1.86	1.86	-	-
4th KINGS								
Shore Road-White Sands	-	-	-	-	4.00	4.00	-	-
Murray Harbour Rd (1987)	-	-	-	-	1.00	-	-	-
Subtotals	-	-	-	-	5.00	4.00	-	-
5th KINGS								
Primrose Road	-	-	-	-	3.00	3.00		
Woodville Mills	-	-	-	-	1.20	1.20	-	-
Subtotal	-	-	-	-	4.20	4.20	-	-
Total Kings County	0.34	0.34	-	0.34	17.47	12.65	-	-
GRAND TOTALS	28.54	25.20	3.10	32.86	83.66	76.06	12.69	2.25
New Recap from Provincial Paving Report						3.95		
						80.01		

SUBDIVISION REPORT 1988-1989

	Grade	Gravel Base	Fine Grade Gravel	Base	Seal	New Pave	To Be Sealed
1st PRINCE							
Jubilee St (O'Leary)	-	-	-	0.34	0.34	0.34	-
Erskine Ave (Alberton)	-	0.26	-	0.26	0.26	0.26	-
Subtotal	-	0.26	-	0.60	0.60	0.60	-
3rd PRINCE							
Wellington Subdivision	-	-	-	-	0.07	-	-
Subtotal	-	-	-	-	0.07	-	-
4th PRINCE							
R.N. Dawson (Sherbrook)	0.15	0.15	-	0.15	0.15	0.15	-
Ron Dawson (Sherbrook)	0.27	0.27	-	0.27	0.27	0.27	-
Subtotal	0.42	0.42	-	0.42	0.42	0.42	-
2nd QUEENS							
Fox Run Estates (Winsloe)	0.55	0.55	-	0.55	0.55	0.55	
Elwin Jay (Cornwall)	-	-	-	-	-	-	0.16
Elwin Jay (Cornwall)	0.20	0.20	-	0.20	-	0.20	0.20
Subtotal	0.75	0.75	-	0.75	0.55	0.75	0.36
3rd QUEENS							
John MacDonald (Bunbury)	-	-	-	-	0.31	-	-
George Bagnall (Crossroads)	0.11	0.11	-	0.11	0.11	0.11	-
Emma Rogerson (Keppoch)	0.12	0.12	-	-	-	-	0.12
Zakem (Southport)	0.60	0.60	-	-	-	-	0.60
Subtotal	0.83	0.83	-	0.11	0.42	0.11	0.72
5th QUEENS							
Sherwood Estates (Sherwood)	0.45	-	-	-	-	-	0.45
Subtotal	0.45	-	-	-	-	-	0.45
6th QUEENS							
Upton Park (West Royalty)	-	-	-	-	0.17	-	-
Upton Park (West Royalty) Ph II	0.17	0.17	-	0.17	0.17	0.17	-
Upton Park (West Royalty) Ph III	0.18	0.18	-	0.18	-	0.18	0.18
Timber Lodge (West Royalty)	-	-	-	-	0.34	-	-
Timber Lodge Phase II	0.23	0.23	-	0.23	-	0.23	0.23
Subtotal	0.58	0.58	-	0.58	0.68	0.58	0.41
TOTALS	3.03	2.84	-	2.46	2.74	2.46	1.94

MATERIAL AND SOILS SECTION

The 1988-89 construction season showed an increase in the Recap Program and a decrease in the Reconstruction Program. There was a slight increase in overall asphalt mix production.

The number of plants engaged in the production of asphaltic concrete increased by one this year, bringing to ten the total number of plants in the Province. Drum type mix plants now make up seventy percent of the asphalt plants in the Province.

ASPHALT

A total of 298,084 tonnes of asphaltic concrete was produced in 1988. This included binder course, surface course, levelling course and maintenance mixes produced at the ten asphalt plants located throughout the Province and placed on 104 contracts.

Daily inspection was carried out at each of the ten plants to control the quality of the mix produced. One thousand and ten asphalt mix samples were collected and analyzed for compliance with the Department of Transportation's specifications. This resulted in an overall testing frequency of one test for every two hundred and ninty five tonnes of asphalt mix produced.

Eight hundred and forty-three cores were removed from the different contracts to determine compliance with compaction and thickness requirements.

The use of local aggregates was confined mainly to blend sands with limited usage of coarse aggregate in mix 'A' for Provincial roads. The remainder of the aggregate was imported. The type and amount of testing carried out to ensure the quality of these aggregates is noted below.

Test	No. of Tests
Sieve Analysis	1391
Specific Gravity	169
Soundness	52
Abrasion	24
Petrographic Number	15

In addition to this quality control testing on the individual aggregates, twenty-nine asphalt mix designs were carried out to determine aggregate proportions and optimum asphalt contests.

Asphalt cement specification compliance testing was performed on 150-200 and 200-300 penetration grade asphalt cements. A total of two hundred and sixty-seven samples were tested.

SOILS

Soils testing for 1988 was concerned principally with pulverized asphalt and soil-cement, granular base course and sandstone. Tests carried out on these materials included sieve analysis, moisture-density relations, specific gravity, abrasion and soundness. A total of nine hundred and forty-five samples were processed during the year.

The continued use of the lab's mobile drilling unit permitted comprehensive subgrade investigations to be carried out this year, a total of two thousand, one hundred and sixty-six samples were obtained. Sample analysis included two thousand one hundred and sixty-six sieve analsysis and moisture content tests, one hundred and seventy-six atterberg limit tests and two hundred and thirty-four hydrometer tests.

In the field, two thousand and eighty-one compaction tests were carried out on pulverized asphalt and soil-cement, granular base and sandstone.

CONCRETE

Testing and inspection services were provided for the following jobs:

Summerside Youth Centre
Georgetown Youth Centre
North River Intersection
Elliot River School
Summerside Youth Offenders Building
Tignish Elementary School
Cavendish Visitors Information Centre
Birchwood High School
Hospital & Health Services Commission Building (Montague)
Leard's Dam
Summerside Courthouse

A total of one hundred and thirty-six cylinders and fifteen mortar cubes were tested for compressive strength.

BENKELMAN BEAM

The deflection testing program continued to provide information for overlay thickness design and the spring weight restriction program.

PAVING AWARD

Curran and Briggs Ltd. was the recipient of this year's paving award.

HIGHWAY PLANNING SECTION

During the 1988 - 89 year, the Highway Planning Section continued to be heavily involved in administration of the Canada/Prince Edward Island E.R.D.A. Sub-Agreement on Transportation Development. The Highway Planning Section had particular responsibility for delivery of the Research and Analysis and the Evaluation Programs. Research and Analysis Program projects that were underway in 1988 - 89 included:

RA8601 - A Study to Examine the Impact of Seasonal Weight Restrictions on Highways and Shippers in Prince Edward Island (complete).

RA8701 - A Study to Establish Future Road Rehabilitation Practices in Prince Edward Island (75% complete).

RA8801 - Development and Implementation of a Scheduling and Optimization Module for the P.E.I. Pavement Management System (20% complete).

RA8802 - Feasibility and Conceptual Design Study for a Highway Laboratory Information Management System (75% complete).

Work also continued throughout the year on several projects under the Evaluation Program. A study of traffic monitoring requirements was undertaken to evaluate the need for increased sophistication in the Department's traffic counting programs. The study recommended that a limited program of vehicle classification and weigh-in-motion be undertaken to support the evaluation of future cost shared programs.

The Section participated in negotiations to undertake an extension of the E.R.D.A program upon completion of the present program and undertook a prospective evaluation of a proposed highway upgrading program.

The Pavement Management System was used to assist in the development of the 1989 Highway Rehabilitation Program and efforts to maintain the P.M.S. data base continued during the year. A project was undertaken to move the P.M.S. to the 0S1100 mainframe operating system operated by the Computer Services Division of the Department of Finance.

The Highway Planning Section has played a lead role, on behalf of the Department, in managing the Department's participation in the Strategic Highway Research Program, a long term international project that will investigate improved materials, designs and methods for highway construction and maintenance. Prince Edward Island will contribute three in-service pavement test sites for the international experiments and has made a commitment to construct another site for a parallel Canadian experiment.

The Section has participated in the development of a National Highway Policy for Canada and has identified 116 km of highway that will be included in the network, as well as an additional 70 km of highway that can be considered for inclusion in the National Highway System at some future time.

The Highway Planning Section represented the Province on a Public Works Canada study to evaluate the impact that the proposed Fixed Crossing of the Northumberland Strait would have on highway conditions in Prince Edward Island, New Brunswick and Nova Scotia.

The province wide traffic monitoring program included year round counts of traffic volume at nine (9) locations, supplemented by seasonal counts at 110 locations and one day intersection counts at 50 locations. In addition to the traffic counting programs, work was also begun to provide an improved picture of trucking activity in the Province. In general, traffic volumes increased in 1988 over the previous year by 3% on average, although higher increases in the order of 11%, were observed on primary highways in the western Queens County and Prince County.

TRAFFIC ENGINEERING SECTION

SIGN SHOP

Production in the Sign Shop in the fiscal year totalled 5155 new signs. The breakdown of new sign production is as follows:

Silk screened signs	2909
Directional signs	480
Street name signs	295
Community signs	35
Lettered signs	758
Barricades	206
HISS (Highway Information Signage System); new	472
Total new production	5155

The production at the Sign Shop was up slightly from the previous year but still remained below that of years when the Sign Shop was in full production. The Sign Shop contracts with outside firms for its painting and silk screening operations. During slower periods some personnel were used in other Divisions. Due to early retirement and transfers, the staff at the Sign Shop was reduced to three full-time employees.

The Public Works Division continued preparations for a new Sign Shop with input from this section.

Signs leaving the Sign Shop were utilized as follows:

Department sign crews - highway signs	4588
- HISS	472
Other Department crews	463
Municipalities	137
Construction companies	140
Others	44
Total	5878

The Sign Shop continued to straighten and repair reuseable signs and to recycle salvageable material from damaged signs.

HIGHWAY SIGNING

During the past year the amount of winter damage was normal and Halloween damage was relatively light. There were isolated instances of damage during the weekend prior to Halloween night as well.

Two new sign trucks were put in service for the sign crews, one of which was a crew cab. Both trucks were assigned to the Charlottetown crews.

Two new post hole diggers were purchased. One was assigned to the O'Leary sign crew, which previously had no post hole digger.

The following is a list of materials used for the year:

2″ × 4″ cross members	433
4″ × 4″ posts	415
5″ × 5″ posts	3392
U-flange posts	2044
telespar posts	25

The field work can be summarized as follows:

Installation of standards signs	2773
Installation of direction boards	523
Installation of community signs	143
Installation of bump/curb signs	1890
Existing signs repaired or re-erected	3777

Sign crews continued to install many of the detour signs, barricades and hazard markers on construction projects during the construction season. The five summer crews and three winter crews continued to provide maintenance of the signs following daily schedules to cover all areas of the Province on a regular basis.

HIGHWAY INFORMATION SIGNAGE SYSTEM

The Traffic Engineering Section again this year erected, maintained and removed the HISS Standards and signs in addition to the manufacture of the signs.

New installations this year were again placed on steel telespar sign posts and anchorage system.

This work was performed by our five regional sign crews. The crews spend approximately three weeks in spring erecting standards and signs, and also in the fall dismantling standards and removing signs for winter storage. New signs were also erected by the sign crews, requiring approximately one day per week for each crew during the months of June, July and August.

There were 225 new steel standards erected. The program now has approximately 1250 standards and 2400 signs within the Province.

Because of the high turnover of applicants for this program, yearly signs no longer required in the system are stripped and reused. This year we stripped 600 of these sign blanks and put them back in stock for relettering for new applicants.

HIGHWAY MARKING

This was the first year for the new centerline striping truck. A crew of four were hired to operate it.

Centerline markings were applied to maintain markings on approximately 1500 km of highway using 105,000 L of yellow paint. Another 21,000 L of yellow paint was applied to approximately 150 km of newly constructed highway. Approximately 23,000 L of white paint were applied to 250 km of roads to maintain existing markings and another 8000 L were applied to 46 km of newly constructed roads.

The intersection marking crews applied 2435 L of white paint and 775 L of yellow paint. Less paint was applied by the intersection crews this year because the new striping machine painted more of the shoulder, lane and centerlines at intersections.

All paint was supplied by Northumberland Chemicals Inc. of Parkdale. Reflectorizing the paint as it was applied required approximately 105,000 kg of glass beads. These were supplied by Rea-Fac Agencies of Charlottetown.

Thermoplastic markings were placed in conjunction with new construction at the following locations; Central Bedeque, Route 1A and Route 177; St. Eleanors, Route 2 and West Drive; New Annan, Route 2 and local road; North River, Route 1 and Route 248; Sherwood, Route 2 and Riverside Drive; and Montague, Route 4 and Route 210.

HIGHWAY LIGHTING

Traffic signals were installed in North River at the intersection of the Trans Canada Highway and Route 248. Nine Low Pressure Sodium lights were installed at this intersection.

Low Pressure Sodium lights were installed at intersections of Routes 1A and 10 in Central Bedeque; Routes 2 and 120 in New Annan; Routes 2 and 134 in Portage, and Route 2 and a local road in Morell.

Four Low Pressure Sodium lights were installed at the Norwood Road underpass structure; one 180 watt LPS unit at each end of the structure on Norwood Road and two 55 watt LPS units in the underpass.

Flashing stop beacons were installed at intersections of Routes 2 and 142 at Woodstock and Routes 23 and 206 at Iona.

Maintenance of Low Pressure Sodium lights and bridge lighting in the Province was carried out under five maintenance contracts. Maintenance of traffic signals, flashing beacons, and other lighting was carried out as required.

Flashing beacons on heavy barricades were used at several locations for bridge construction, detours, etc. Temporary signals and reflection plastic barrels were utilized for traffic control on the Hillsborough Bridge during night time testing operations.

HIGHWAY DESIGN AND ACCESS CONTROL

The Department policy regarding the construction of subdivision roads was revised and approved during the year giving developers two options for subdivision construction. The volume of work, related to subdivision development, increased substantially with 58 subdivisions being reviewed at the various stages of development. In order to inform the public of these changes, preparations were begun on an information seminar. The subdivision review process continued to include input from Traffic Engineering, Properties, Surveys and Construction personnel.

Access review continued with over 200 locations being examined for safety and access conditions. Technical input for paving assistance was provided at numerous locations as requested.

Safety concerns were reviewed at many locations during the year. Specific designs were prepared for a left turn lane on Route 4 in Montague and for a signalized intersection at St. Peters Road, Mt. Edward Road, Longworth Ave, and Belmont St. in Parkdale and Charlottetown. The latter was done with the technical assistance of Coles Associates Ltd.

Access control was improved on arterial highways in Inverness and North Tryon through the purchase of vacant land. Intersection sight distance was improved at intersections in Kilmuir, Brooklyn, Winsloe and Milton and action was initiated on future improvements in Central Bedeque, Hunter River and Elmsdale.

WORK ZONE SAFETY

The Department provided technical inspection of work zones throughout the Province for four months during the construction seasons. Meetings were held with utility companies to discuss safety concerns with the crews on highway rights-of-way. The 'Handbook for Highway Signalers', produced by the Occupational Health and Safety Division, and the associated slide presentation were used to provide initial training for new flag-people.

SCHEDULE OF TENDERS

PROVINCIAL CONSTRUCTION TENDERS

HOWLAN ROAD RTE. 143

Subgrade and Pave 1.35 km
Tenders Opened April 21, 1988

H.I. Construction Ltd	169,260.80
Curran & Briggs Limited	168,994.25

Awarded to Curran & Briggs Ltd.

PALMER ROAD RTE. 155

Paving 1.70 km
Tenders Opened April 21, 1988

H.I. Construction Limited	141,394.10
Curran & Briggs Limited	167,464.70

Awarded to H.I. Construction Ltd.

ELLERSLIE ROAD RTE. 133

Subgrade and Pave 3.00 km
Tenders Opened April 21, 1988

H.I. Construction Limited	210,314.00
Curran & Briggs Limited	198,936.80

Awarded to Curran & Briggs Ltd.

SHORE ROAD (WEST POINT) RTE. 14

Subgrade and Pave 3.00 km
Tenders Opened April 21, 1988

H.I. Construction Limited	231,685.23
Curran & Briggs Limited	228,883.80

Awarded to Curran & Briggs Ltd.

MACISSAC ROAD RTE. 127

Paving 1.00 km
Tenders Opened April 21, 1988

H.I. Construction Limited	76,790.80
Curran & Briggs Limited	73,062.75

Awarded to Curran & Briggs Ltd.

MALPEQUE ROAD RTE.20

Subgrade and Pave 2.00 km
Tenders Opened April 21, 1988

H.I. Construction Limited	161,016.46
Chapman Brothers Limited	159,779.40
Curran & Briggs Limited	155,326.60

Awarded to Curran & Briggs Ltd.

CAIRNS ROAD RTE. 110

Subgrade and Pave 3.36 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	430,160.40
Curran & Briggs Limited	394,955.10

Awarded to Curran & Briggs Ltd.

SUMMERSIDE WEST RTE. 1A

Subgrade and Pave 0.58 km
Tenders Opened April 21, 1988

H.I. Construction Limited	224,665.20
Curran & Briggs Limited	189,940.45

Awarded to Curran & Briggs Ltd.

RUSTICO ROAD RTE. 7

Subgrade and Pave 1.50 km
Tenders Opened April 21, 1988

Island Construction Limited	167,922.65
Chapman Brothers Limited	171,405.85
Dennis Construction Limited	142,551.60
Curran & Briggs Limited	171,726.80

Awarded to Dennis Construction Ltd.

GLASGOW ROAD RTE. 224

Subgrade and Pave 3.00 km
Tenders Opened April 21, 1988

Island Construction Limited	192,403.15
Dennis Construction Limited	172,418.00
Curran & Briggs Limited	206,777.15

Awarded to Dennis Construction Ltd.

WINSLOE ROAD RTE. 223

Pave 3.60 km
Tenders Opened April 21, 1988

Island Construction Limited	277,071.00
Chapman Brothers Limited	278,488.00
Dennis Construction Limited	241,411.50
Curran & Briggs Limited	298,810.00

Awarded to Dennis Construction Ltd.

PINE DRIVE - SHERWOOD

Subgrade and Pave 0.89 km
Tenders Opened April 21, 1988

Island Construction Limited	147,750.25

Awarded to Island Construction Ltd.

WALNUT DRIVE - SHERWOOD

Subgrade and Pave 0.22 km
Tenders Opened April 21, 1988

Island Construction Limited	33,787.50

Awarded to Island Construction Ltd.

EARNSCLIFFE ROAD

Subgrade and Pave 2.72 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	393,594.00
Matheson & MacMillan Limited	367,860.00

Awarded to Matheson & MacMillan Ltd.

SHORE ROAD (WOOD ISLANDS) RTE. 4

Subgrade and Pave 2.00 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	171,591.75
Matheson & MacMillan Limited	164,121.25

Awarded to Matheson & MacMillan Ltd.

NORTH LAKE ROAD RTE. 16

Pave 1.79 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	144,224.25

Awarded to Chapman Brothers Ltd.

MUNNS ROAD RTE. 301

Pave 0.80 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	63,595.70

Awarded to Chapman Brothers Ltd.

BANGOR ROAD RTE. 321

Pave 2.30 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	168,954.10
Matheson & MacMillan Limited	168,960.00

Awarded to Chapman Brothers Ltd.

QUEENS ROAD RTE. 210

Subgrade and Pave 1.86 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	180,988.25
Matheson & MacMillan Limited	169,357.50

Awarded to Matheson & MacMillan Ltd.

SHORE ROAD (WHITE SANDS) RTE.18

Pave 4.00 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	298,144.00
Matheson & MacMillan Limited	295,880.00

Awarded to Matheson & MacMillan Ltd.

PRIMROSE ROAD RTE. 311

Pave 3.00 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	224,265.00
Matheson & MacMillan Limited	225,585.00

Awarded to Chapman Brothers Ltd.

WOODVILLE MILLS RD. RTE.311

Pave 1.20 km
Tenders Opened April 21, 1988

Chapman Brothers Limited	87,036.00
Matheson & MacMillan Limited	90,234.00

Awarded to Chapman Brothers Ltd.

TCH (CROSSROADS) RTE. 1

Subgrade and Pave 0.08 km
Tenders Opened April 21, 1988

Island Coastal Services Ltd.	219,900.00

Awarded to Island Coastal Services Ltd.

ROSEDALE DRIVE - SHERWOOD

Subgrade and Pave 0.22 km
Tenders Opened April 21, 1988

Island Construction Limited	33,242.50

Awarded to Island Construction Ltd.

BLANCHARD DRIVE - SHERWOOD

Subgrade and Pave 0.31 km
Tenders Opened April 21, 1988

Island Construction Limited.	44,813.00

Awarded to Island Construction Ltd.

TAMARAC AVENUE - SHERWOOD

Subgrade and Pave 0.25 km
Tenders Opened April 21, 1988

Island Construction Limited.	37,437.50

Awarded to Island Construction Ltd.

O'LEARY ROAD RTE. 142

Subgrade and Pave 2.0 km
Tenders Opened June 16, 1988

Curran & Briggs Limited	361,376.40
Chapman Brothers Limited	279,204.50
H.I. Construction Limited.	316,471.00

Awarded to Chapman Brothers Ltd.

DALTON AVENUE - TIGNISH

Pave 1.41 km
Tenders Opened June 16, 1988

H.I. Construction Limited.	87,001.50

Awarded to H.I. Construction Limited

ELLIS & PARK AVENUE - O'LEARY

Pave 0.58 km
Tenders Opened June 16, 1988

H.I. Construction Limited.	37,475.26

Awarded to H.I. Construction Ltd.

EGMONT BAY ROAD RTE. 124

Subgrade and Pave 2.30 km
Tenders Opened June 16, 1988

Chapman Brothers Limited	304,502.70
Curran and Briggs Limited	342,490.80
H.I. Construction Limited.	323,221.80

Awarded to Chapman Brothers Ltd.

TRYON ROAD RTE. 13

Subgrade and Pave 2.20 km
Tenders Opened June 16, 1988

Island Construction Limited.	244,423.70
Chapman Brothers Limited	203,360.75
Curran & Briggs Limited	221,320.95

Awarded to Chapman Brothers Ltd.

INKERMAN ROAD RTE. 231

Pave 2.10 km
Tenders Opened June 16, 1988

Dennis Construction Limited	117,077.00
Island Construction Limited	124,477.40
Chapman Brothers Limited	104,320.00
Curran & Briggs Limited	122,430.50

Awarded to Chapman Brothers Ltd.

IRISHTOWN ROAD RTE. 101

Subgrade and Pave 1.58 km
Tenders Opened June 16, 1988

Chapman Brothers Limited	174,662.50
Curran & Briggs Limited	196,712.08

Awarded to Chapman Brothers Ltd.

FORT AUGUSTUS ROAD RTE.121

Subgrade and Pave 2.21 km
Tenders Opened June 16, 1988

Chapman Brothers Limited	222,470.90
Matheson & MacMillan Limited	241,752.80

Awarded to Chapman Brothers Ltd.

MOUNT STEWART MAIN STREET

Pave 1.08 km
Tenders Opened June 16, 1988

Chapman Brothers Limited	80,180.00
Matheson & MacMillan Limited	82,196.00

Awarded to Chapman Brothers Ltd.

LOMBARD DRIVE - SHERWOOD

Subgrade and Pave 0.21 km
Tenders Opened June 16, 1988

Island Construction Limited	30,023.00

Awarded to Island Construction Ltd.

DALE DRIVE - SHERWOOD

Subgrade and Pave 0.19 km
Tenders Opened June 16, 1988

Island Construction Limited	29,695.25

Awarded to Island Construction Ltd.

MAXFIELD AVENUE - SHERWOOD

Pave 0.35 km
Tenders Opened June 16, 1988

Island Construction Limited	52,317.75

Awarded to Island Construction Ltd.

WEST ROYALTY STREETS

Subgrade and Pave 0.88 km
Tenders Opened June 16, 1988

Dennis Construction Limited	93,077.00
Island Construction Limited	106,068.75

Awarded to Dennis Construction Ltd.

BEACH GROVE ROAD

Subgrade and Pave 1.11 km
Tenders Opened June 16, 1988

Westile Construction Limited	284,432.00
Island Coastal Services Limited	270,332.00
Maritime Construction Limited	246,875.00

Awarded to Maritime Construction Ltd.

NORTHAM ROAD RTE. 132

Seal 2.60 km
Tenders Opened July 07, 1988

Curran & Briggs Limited	33,892.10

Awarded to Curran & Briggs Ltd.

SELKIRK ROAD RTE.23

Seal 2.60 km
Tenders Opened July 07, 1988

Chapman Brothers Limited	50,420.00
Matheson & MacMillan Limited	51,037.00

Awarded to Chapman Brothers Ltd.

BLOOMFIELD TO FOY ROAD RTE. 2

Subgrade and Pave 2.70 km
Tenders Opened July 07, 1988

Chapman Brothers Limited	509,330.00
H.I. Construction Limited	451,620.00
Curran & Briggs Limited	453,850.00

Awarded to H.I. Construction Ltd.

FIFTEEN POINT ROAD RTE. 124-177

Seal 2.0 km
Tenders Opened July 07, 1988

Curran & Briggs Limited	27,448.00

Awarded to Curran & Briggs Ltd.

EAST POINT ROAD RTE. 16

Seal 1.52 km
Tenders Opened July 07, 1988

Chapman Brothers Limited	33,237.50

Awarded to Chapman Brothers Ltd.

KELLY ROAD RTE. 142

Pave 1.40 km
Tenders Opened August 10, 1988

Curran & Briggs Limited	74,333.80
H.I. Construction Limited	68,669.75

Awarded to H.I. Construction Ltd.

THOMPSON ROAD RTE. 155

Subgrade and Pave 1.50 km
Tenders Opened August 10, 1988

H.I. Construction Limited	79,046.50

Awarded to H.I. Construction Ltd.

SHORE ROAD (CAPE WOLFE) RTE. 14

Pave 1.10 km
Tenders Opened August 10, 1988

Curran & Briggs Limited	58,783.00
H.I. Construction Limited	58,870.40

Awarded to Curran & Briggs Ltd.

PORTAGE ROAD

Subgrade and Pave 1.0 km
Tenders Opened August 10, 1988

Curran & Briggs Limited	70,436.00
H.I. Construction Limited	76,987.00

Awarded to Curran & Briggs Ltd.

CAMERON ROAD

Pave 0.70 km
Tenders Opened August 10, 1988

Curran & Briggs Limited	37,181.00

Awarded to Curran & Briggs Ltd.

MILLVALE ROAD RTE. 231

Pave 1.06 km
Tenders Opened August 10, 1988

Curran & Briggs Limited	56,647.20

Awarded to Curran & Briggs Ltd.

WILTSHIRE ROAD RTE. 225

Pave 1.76 km
Tenders Opened August 10, 1988

Island Construction Limited	153,479.75
Curran & Briggs Limited	134,775.19

Awarded to Curran & Briggs Ltd.

STEWART ROAD (GAREFIELD) RTE. 207

Subgrade and Pave 0.70 km
Tenders Opened August 10, 1988

Matheson & MacMillan Limited	49,666.00

Awarded to Matheson & MacMillan Ltd.

VICTORIA CROSS ROAD RTE. 320

Subgrade and Pave 0.56 km
Tenders Opened August 10, 1988

Matheson & MacMillan Limited	35,588.00

Awarded to Matheson & MacMillan Ltd.

PEARDON ROAD

Subgrade and Pave 0.80 km
Tenders Opened August 10, 1988

Matheson & MacMillan Limited	50,842.00

Awarded to Matheson & MacMillan Ltd.

ABNEY ROAD

Pave 0.55 km
Tenders Opened August 10, 1988

Matheson & MacMillan Limited	40,297.25

Awarded to Matheson & MacMillan Ltd.

MCEWEN ROAD INTERSECTION

Subgrade and Pave
Tenders Opened September 08, 1988

H.I. Construction Limited	196,540.00
Curran & Briggs Limited	188,254.95

Awarded to Curran & Briggs Ltd.

ERDA TENDERS

MIDDLETON - CENTRAL BEDEQUE RTE. 1A

Pave 5.20 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	218,685.00
Curran & Briggs Limited	225,215.00

Awarded to Chapman Brothers Ltd.

ELLERSLIE - MACNEIL MILLS RTE. 2

Pave 3.70 km
Tenders Opened April 07, 1988

H.I. Construction Limited	147,071.00
Curran & Briggs Limited	129,751.25

Awarded to Curran & Briggs Ltd.

CHERRY VALLEY - MILLVIEW RTE. 3

Pave 3.12 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	257,065.00
Matheson & MacMillan Limited	248,230.00

Awarded to Matheson & MacMillan Ltd.

ST. CHARLES - ROLLO BAY RTE. 2

Pave 4.40 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	148,835.00

Awarded to Chapman Brothers Ltd.

MACNEILS MILL - PORTAGE RTE. 2

Pave 5.86 km
Tenders opened April 07, 1988

H.I. Construction Limited	219,465.00
Curran & Briggs Limited	219,895.00

Awarded to H.I. Construction Ltd.

KENSINGTON - NEW ANNAN RTE. 2

Pave 3.40 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	121,405.00
Curran & Briggs Limited	113,957.50

Awarded to Curran & Briggs Ltd.

MISCOUCHE - C.F.B. INTERSECTION RTE.2

Pave 3.60 km
Tenders opened April 07, 1988

Curran & Briggs Limited	136,960.00

Awarded to Curran & Briggs Ltd.

SUMMERVILLE - NEW PERTH RTE.3

Subgrade & Pave 4.00 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	1,484,470.00
Kings County Construction Limited	1,497,725.00

Awarded to Chapman Brothers Ltd.

CENTRAL STREET TO C.F.B. INTERSECTION RTE.2

Subgrade & Pave 4.36 km
Tenders Opened April 07, 1988

Chapman Brothers Limited	1,180,281.00
Curran & Briggs Limited	1,082,776.50

Awarded to Curran & Briggs Ltd.

BRIDGE TENDERS 1988

TYNE VALLEY ARCH REPLACEMENT

Tenders Opened May 12, 1988

Highfield Construction Limited	246,337.50
Westisle Construction Limited	246,202.50
Curran & Briggs Limited	169,937.25
Island Coastal Services Limited	165,100.00

Awarded to Island Coastal Services Ltd.

COLEMAN BRIDGE (APPROACH RDS.)

Tenders Opened August 19, 1988

Curran & Briggs Limited	284,379.50
Island Coastal Services Limited	420,082.00
Northern Enterprises Limited	414,518.00

Awarded to Curran & Briggs Ltd.

COLEMAN BRIDGE (STRUCTURE)

Tenders Opened August 19, 1988

Highfield Construction Limited	345,832.00
Curran & Briggs Limited	368,305.50

Awarded to Highfield Construction Ltd.

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Province of Prince Edward Island

STATEMENT OF ORDINARY EXPENDITURES
Year Ending March 31, 1989

GENERAL ADMINISTRATION DIVISION			
Salaries		489,675	
Office Supplies & Postage		18,825	
Tel & Tel		105,60[illegible]	
Miscellaneous		4,527	
Equipment		21,594	
Maintenance & Repairs		2,692	
Travel		26,219	
Total General Administration			669,132
HIGHWAY DIVISION			
MAINTENANCE ADMINISTRATION			
Salaries		677,810	
Tel & Tel		18,520	
Equipment		5,112	
Travel		251,075	
Total Maintenance Administration			1,152,517
MAINTENANCE OF UNPAVED ROADS			
Prince County			
Prince 1	140,585		
Prince 2	67,389		
Prince 3	61,477		
Prince 4	63,611		
Total Prince County		333,062	
Queens County			
Queens 1	140,905		
Queens 2	67,389		
Queens 3	90,208		
Queens 4	71,161		
Queens 5 & 6	136,799		
Total Queens County		533,619	
Kings County			
Kings 1	85,371		
Kings 2	64,776		
Kings 3	69,277		
Kings 4	59,760		
Kings 5	102,387		
Total Kings County		381,571	
Total Maintenance of Unpaved Roads			1,248,252

MAINTENANCE OF PAVED ROADS			
Prince County		2,074,589	
Queens County		2,237,520	
Kings County		1,716,528	
Total Maintenance of Paved Roads			6,028,637
BUSH CONTROL			
Bush Control Prince County		128,131	
Bush Control Queens County		139,504	
Bush Control Kings County		161,949	
Total Bush Control			429,584
RIGHT-OF-WAY			
Right-of-Way Prince County		120,617	
Right-of-Way Queens County		134,526	
Right-of-Way Kings County		122,294	
Total Right-of-Way			377,437
MAINTENANCE OF BRIDGES			
Wages		109,135	
Materials & Supplies		92,043	
Contract Service		51,920	
Total Maintenance of Bridges			253,098
SNOW REMOVAL			
Wages		832,273	
Materials & Supplies		476,246	
Contract Services		4,466,490	
Total Snow Removal			5,775,009
SANDING & SALTING			
Wages		1,020,435	
Materials & Supplies		2,956,538	
Total Sanding & Salting			3,976,973
TRAFFIC ENGINEERING			
Data & Design		85,380	
Sign Shop		246,378	
Highway Signage		325,506	
Information Signing		44,758	
Highway Marking		490,782	
Traffic Operations		169,651	
Traffic Administration		366,239	
Total Traffic Engineering			1,728,694
MECHANICAL - GOVERNMENT GARAGE			
Salaries		4,641,196	
Equipment		294,112	
Material & Supplies		2,848,171	
Contract Services		21,723	
Travel		82,067	
Telephone, Radios & Taxes		198,383	
Total Mechanical Branch			8,085,652
TOTAL HIGHWAYS DIVISION			29,055,853

HIGHWAY SAFETY DIVISION

ADMINISTRATION

Salaries & Wages	168,760	
Tel & Tel	42,049	
Contract Services	19,690	
Material & Supplies	615	
Travel	11,728	
Total Administration		242,842

PROMOTION OF HIGHWAY SAFETY

Salaries	420,042	
Materials & Supplies	100,298	
Consultant	13,941	
Travel	41,763	
Total Promotion of Highway Safety		576,044

REGISTRATION & LICENSING

Salaries	420,871	
Office Supplies & Postage	26,564	
Equipment	7,328	
Material & Supplies	122,257	
Travel	3,149	
Total Registration & Licensing		580,169

RECORDS

Salaries	123,405	
Total Records		123,405

SUMMERSIDE

Salaries	212,031	
Travel	1,383	
Total Summerside		213,414

HIGHWAY SCALES

Materials & Supplies	32,804	
Contract Services	2,804	
Salaries	275,999	
Travel	4,199	
Total Highway Scale		315,806
TOTAL HIGHWAY SAFETY DIVISION		2,051,680

SERVICES DIVISION

AUDIO VISUAL SERVICES CENTRE

Salaries	193,504	
Travel	5,734	
Equipment Repairs	24,610	
Total Audio Visual Services Centre		223,848

POSTAL SERVICES

Salaries	99,590		
Postage	736,467		
Contract Services	22,870		
Travel	77		
Repairs, Maintenance, Equipment & Rental	55,096		
Total Postal Services		914,100	

ISLAND INFORMATION SERVICE

Salaries	154,005		
Travel	2,314		
Tel & Tel	42,516		
Field Equipment & Supplies	27,786		
Office & General	13,299		
Total Information Services		239,920	

PRINTING SERVICES

Salaries	456,289		
Travel	1,645		
New Equipment	28,490		
Material & Supplies	530,688		
Reproduction Equipment Rentals	162,886		
Total Printing Services		1,179,998	
TOTAL SERVICES DIVISION			2,557,866

BUILDINGS DIVISION

BUILDING ADMINISTRATION

Salaries	83,983		
Travel	966		
Total Building Administration		84,949	

ENERGY CONSERVATION PILOT PROJECT

Salaries	79,381		
Travel	6,860		
Equipment	4,275		
Material & Supplies	1,562		
Total Energy Conservation		92,078	
Total Building Administration			177,027

CONSTRUCTION ADMINISTRATION

Salaries	222,975		
Travel	12,744		
Technical & Drafting Equipment & Supplies	5,040		
Total Construction Administration - Bldgs.			240,759

MAINTENANCE ADMINISTRATION - BUILDING

Salaries	652,745		
Administration	16,121		
Travel	47,114		
Material & Supplies	49,721		
Total Maintenance Administration		765,701	

MAINTENANCE OF BUILDINGS

Basin Head Museum	6,810		
Beach Grove Infirmary	561,252		
Belmont St. Warehouse	7,151		
Brudenell Complex	145,200		
Bunbury Nursery	27,908		
Coles Building	113,246		
Court House Alberton	13,158		
Dr. Eric Found Health Centre	437,718		
40 Great George St. Customs House	30,763		
Georgetown Youth Centre	5,782		
Government House	291,048		
Greenhouse & Header House - Hurry Road	21,605		
Green Park Historic Site	483		
Health Centre, Summerside	64,369		
Hillsboro Hospital	631,090		
Jones Building	553,534		
Kings Co. Court House & Jail	46,566		
Kings Co. Forestry Depot	18,378		
Lady Slipper Visitors Centre	21,794		
MacMillan Building	540,806		
Orwell Cove Museum	10,175		
Portable Classrooms	101,657		
Portage VIC	5,809		
Prince Co. Forestry Depot	15,239		
Prince Co. Court House & Jail	150,389		
Prince Edward Home	849,068		
Province House	116,387		
Province House Annex	109,963		
Scalehouse-Borden & Wood Islands	15,866		
Shaw & Sullivan Building	2,218,243		
Sherwood Hospital	39,133		
Sleepy Hollow Correctional Centre	201,677		
Southern Kings Highway Depot	11,604		
Southern Kings & Queens Regional Services Centre	52,420		
Summerside Youth Centre	59,002		
Travel Bureau - Wood Islands	30,957		
Travel Bureau - Brackley	4,268		
Tourist Interpretive Centre - Poole's Corner	28,824		
Tyne Valley Youth Centre	3,138		
Veterinary Building - O'Leary	33,920		
West Prince Regional Services Centre	80,999		
Total Maintenance of Buildings		7,677,399	
TOTAL MAINTENANCE OF BUILDINGS			8,443,100

ACCOMMODATIONS

Accommodation - Administration

Salaries	59,738		
Total Accommodation Administration		59,738	

Rent or Leased Premises

Airport - VIC	7,421		
Albany Warehouse	15,000		
Aulac - VIC	8,226		
Cambridge Building	221,520		
Caribour VIC	4,600		
Cavendish Cottage	10,370		
Cavendish VIC	7,156		
Concorde Bldg	110,041		
Davies Law Courts	781,081		
Eastern Kings Health Centre	2,709		
Eastern Kings Reg. Ser. Centre	84,688		
East Prince Reg. Ser. Centre	164,849		
Evangeline Health Centre	9,985		
Farm Centre	22,852		
Fisheries Warehouse	34,127		
Heartz-O'Halloran Bldg.	20,055		
Holland College, St. Eleanors	5,116		
Holland College Royalty Centre	46,028		
Island Transit	15,240		
Johnston Building	62,054		
Kensington Community Centre	3,788		
Kings County Memorial Hospital	5,400		
O'Leary Community Hospital	5,160		
O'Leary Dental Clinic	2,621		
PEI Liquor Control Commission - Borden VIC	10,866		
Prince County Hospital	3,777		
Reliance Garage	2,147		
Research Station	182,345		
Royalty Mall	216,375		
Souris Hospital	15,345		
Souris Town Hall	3,682		
St. Paul's Rectory	21,465		
Sherwood Fire Hall	78,913		
Summerside Waterfront Dev. Corp.	92,165		
Albert Thomas Building	70,240		
Tignish Health Co-op	4,503		
Trowel Trade College	33,110		
Total Rent or Leased Properties		2,385,020	
Total Accommodation & Leased Properties			2,444,758

PROPERTIES & SURVEYS

Salaries	413,864		
Travel	27,593		
Office - General	2,290		
Material & Supplies	42,870		
Prop. Taxes on Prov.-Owned Property	19,531		
Field Equipment & Supplies	9,001		
Control Survey Network Maintenance			
Legal Fees & Contract Services	1,619		
Total Properties & Surveys			516,768
TOTAL BUILDINGS DIVISION			11,822,412

TRANSPORTATION DIVISION

ADMINISTRATION

Salaries	62,874		
Travel	6,822		
Office & General	733		
Transportation Advisory Services	3,515		
Contract Serrvices	100,000		
Total Administration		173,944	

ISLAND TRANSIT

Salaries	59,264		
Travel	657		
Tel & Tel	2,325		
Material & Supplies	48,168		
Total Island Transit		110,414	
TOTAL TRANSPORTATION DIVISION			284,358
TOTAL DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS ORDINARY ACCOUNT			46,441,301

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
Province of Prince Edward Island

CAPITAL EXPENDITURES
Year Ending March 31, 1989

CAPITAL HIGHWAY CONSTRUCTION DIVISION

ADMINISTRATION			
Salaries & Wages	1,150,526		
Travel	5,832		
Miscellaneous	4,427		
Total Administration			1,160,785
CULVERT C/A			
Prince County	261,383		
Queens County	420,004		
Kings County	188,716		
Total Culverts C/A			870,103
BRIDGES C/A			
Prince County			
Cavendish Underpass	95,138		
Coleman Bridge	325,509		
Enmore Arch	8,745		
Gillian's Bridge	8,000		
Leard's Pond, Coleman	232,172		
Lower New Annan	43,158		
Nebraska Road Lot 16	13,019		
Tyne Valley	196,056		
Total Prince County		921,797	
Queens County			
Belfast	104,111		
Bunbury-Southport Underpass	3,255		
Ebenezer	9,156		
Gunn's Bridge	3,688		
Hillsboro Bridge	54,312		
Pisquid River Bridge	4,000		
Southport Timber Box	11,839		
West River Causeway	42,058		
Total Queens County		232,419	
Kings County			
Leard's Mill Study	12,134		
North Lake	39,533		
Panmuir Island	96,810		
Total Kings County		148,477	
Bridges Miscellaneous C/A		295,557	
TOTAL BRIDGES C/A			1,598,250

ECONOMIC REGIONAL DEVELOPMENT AGREEMENT

CFB Intersection - Central Street	1,109,150	
Cherry Valley-Millview	268,652	
Ellerslie-MacNeil's Mills	187,864	
Kensington - New Annan	194,552	
MacNeil's Mills Rd - Portage	323,209	
Middleton - Central Bedeque	332,779	
Miscouche - CFB Intersection	222,853	
Rollo Bay - St. Charles	179,677	
Suffolk Rd - York Road	1,411,349	
Summerville - New Perth	2,090,700	
York Road - Norwood Corner	835,836	
Research Program Technical Support	8,788	
Weight Restrictions	4,781	
Highway Maintenance System	11,905	
Evaluation Study	30,283	
Study of Rehabilitation Strategies	28,149	
Study Traffic Counting	5,000	
Highway Material Lab Information System	6,375	
Implement Pavement Management System	11,186	
Prospective Evaluation of Proposed Highway Development Projects	55,335	
Total Economic Regional Development Agreement		7,318,423

HIGHWAY RECONSTRUCTION

Prince County

Bloomfield - Foy Road	787,434	
Cairn's Road	460,255	
Church St. - Tignish	51,523	
Dalton Avenue	125,414	
Egmont Bay Road	419,868	
Ellerslie Road	392,066	
Ellis Park Avenue	50,381	
Fifteen Point Road	40,605	
Howlan Road	203,622	
Kinkora - Bedeque Road	20,055	
Malpeque Road	198,862	
McEwen Road - Summerside	149,352	
McIsaac Road	90,301	
Northam Road	54,139	
North Drive - Lyle Road	237,674	
O'Leary Road	353,353	
Palmer (Thompson) Road	191,996	
Portage Road	105,698	
Shore Road (West Point)	275,906	
Summerside West	256,841	
Short sections - Prince County	236,655	
Total Prince County		4,702,000

Queens County

Bedeque Road	111,060
Blanchard Drive - Sherwood St.	54,095
Brackley Point Road	4,517
Charlottetown Bypass (Oak Avenue)	1,060,469
Dale Drive - Sherwood	37,754
Earnscliffe Road	439 831
Fort Augustus Road	277,874
Glasgow Road	259,465

Inkerman Road	148,931		
Irishtown Road	229,593		
Lombard Drive - Sherwood	42,068		
Main Street - Mount Stewart	132,210		
Maple Avenue - Sherwood	115,334		
Maxfield Avenue - Sherwood	61,375		
Milton	42,246		
Northridge Parkway - Hillsboro Development	92,314		
Pine Drive - Sherwood	189,127		
Riverside Drive	18,565		
Roper Drive - Sherwood	20,727		
Rosedale Drive - Sherwood	39,461		
Rustico Diversion	131,830		
Rustico Road (88)	194,686		
Rustico Road	170,654		
Selkirk Road	79,829		
Shore Road, (Wood Islands)	203,484		
St. Peters Road (Mt. Edward & Norwood Corner)	31,600		
Tamarac Avenue - Sherwood	43,030		
T.C.H. - Crossroads	308,597		
T.C.H. & North River Rd. Intersection	737,972		
T.C.H. - Strathgartney	37,246		
Tryon Road	272,569		
Walnut Drive - Sherwood	24,211		
West Royalty (various roads)	91,388		
Wiltshire Road	220,395		
Winsloe Road	293,567		
Wright's Creek Road	82,768		
Short Sections - Queens	288,294		
Deep Patching - Queens	113,203		
Total Queens County		6,702,339	
Kings County			
Bangor Road	250,368		
East Point Road	54,330		
Munn's Road	83,876		
Murray Harbour Road	41,012		
North Lake Road	210,743		
Primrose Road	276,747		
Queen's Road	242,772		
Shore Road (White Sands)	377,542		
Woodville Mills Road	108,923		
Total Kings County		1,646,313	
Survey & Travel Expenses	1,751,988		
Sundry Account	122,248		
Asphalt Material	(60,346)		
Seeding Operation	40,393		
Total		1,854,283	
TOTAL HIGHWAY RECONSTRUCTION			14,904,935
PROVINCIAL PAVING			
Prince County			
Alberton (Rtes 12 & 171)	4,000		
Baker Road	11,694		
Bedeque Road	20,246		
Bideford Road	66,618		
Bowlan Road	65,999		

Cameron Road	50,909	
Cedar Dunes Road	52,904	
Central Street (Tignish)	11,081	
Centre Line Road	48,613	
DeBlois Road	11,489	
Division Line Road	17,587	
Dunk River - Central Bedeque	4,000	
Foy Road	12,910	
Furlotte Road	12,458	
Haywood Road	7,190	
Inverness (Rte 2)	4,000	
Kelly Drive - Wilmot	25,166	
Kelly's Road	142,834	
Knox Lane	26,922	
Locke Road	18,861	
Maloney Road	24,649	
Mill Road	26,942	
MacMurdo Road	40,153	
Mt. Carmel Road	11,693	
North Cape Road	9,865	
Old Western Road	10,906	
Raynor Road	51,580	
Raynor Road - New Annan	1,236	
Reid Road	15,153	
Richard's Road - Victoria West	34,460	
Richard's Road	5,814	
School Street - Kensington	21,450	
Sea Cow Pond Road	32,283	
Settlement Road	44,298	
Shield's Road	7,445	
Shore Road - Cape Wolfe	79,533	
Summerfield - Kensington (Rte 2)	20,648	
St. Nicholas Road	67,691	
St. Timothy Road	24,635	
Taddy Road	51,462	
Tanton Road Ext. (St. Eleanors)	11,419	
Thompson Road	109,229	
T.C.H. - North Tryon	3,600	
Victor Gallant Road	2,982	
Wellington Mall Road	43,424	
Woodstock (Rtes.2 & 142)	1,367	
Liquid Calcium Chloride Prince Co.	21,113	
Construction Utility Crew 1st Prince	15,807	
Construction Utility Crew 2nd Prince	11,330	
1st Prince Ditching	142,219	
2nd Prince Ditching	88,951	
3rd Prince Ditching	74,344	
4th Prince Ditching	62,148	
Draining Wet Fields	9,316	
Total Prince County		1,794,626

Queens County

Aptos Drive, Keppoch	34,524	
Avondale Road	3,397	
Beach Grove Road	384,922	
Brookfield Hill	18,990	
Callaghan Road	7,171	
Cornwall Intersection	564	
Crapaud Bus-Bay	8,648	
Dixon Road	33,901	

Dunn Road - Fort Augustus	29,483	
Elliott Park	2,934	
Fanningbrook Road	56,886	
Fort Amherst	18,994	
Gay Road	51,993	
Green Bay Road	8,998	
Hardy Mill Road	101,102	
Hunter River (Rtes. 2 & 13)	400	
Iona (Rtes. 23 & 206)	2,363	
Kennedy Road, Beach Grove	57,448	
Keppoch Road	45,692	
Lady Fane Road	40,558	
Lower Marshfield Road	27,543	
McGuirk Road	36,174	
Millboro Road	64,232	
Millvale Road	172,133	
Milton (Rtes. 2 & 236)	740	
Mt. Edward Rd & St. Peter's Rd. Intersection	12,737	
Mullin Road	67,870	
North River Road S.S.	13,148	
Pickering Road	79,734	
Prince Street Wharf	29,401	
Queen's Point Road	40,206	
Rosebank Road	23,543	
Selkirk Road	144,661	
Simpson Mill Road	40,231	
Spruce Lane	61,818	
St. Patrick's Road	8,561	
Stewart Road (Garfield)	69,587	
T.C.H. - Bonshaw	21,975	
Wood Island Road - Mt. Vernon	33,208	
Liquid Calcium Chloride	9,512	
Survey Revised Sub-Div Design Safety	2,332	
Land Purchase (CTC Intersection)	15,185	
Construction Utility Crew (3rd Queens)	19,119	
Construction Utility Crew (4th Queens)	17,740	
1st Queens Ditching	85,695	
2nd Queens Ditching	72,018	
3rd Queens Ditching	84,345	
4th Queens Ditching	85,028	
5th & 6th Queens Ditching	34,839	
Draining Wet Fields	9,021	
Total Queens County		2,291,304

Kings County

Abney Road	54,009	
Burnt Point Road	9,994	
Ferry Point Road - Georgetown	23,113	
Greenvale Road	10,860	
Howlett Road	12,678	
Kilmuir (Rtes.315 & 316)	5,000	
Knight's Avenue - Souris	42,879	
MacKay Road - Pembrooke	21,511	
MacRae Mills Road	43,181	
Main Street - Montague	33,813	
Main Street - Lower Montague Road	131,663	
Main Street - Montague	79,936	
Marsh Road - Launching	35,175	
McDougall Road	64,975	
Millburn Rd	4,432	

Montague (Int. Down East Mall)	37,902		
Morell Dump Road	20,059		
Murray Harbour Road	4,478		
Murray Harbour (Remove House)	2,000		
Peardon Road	76,060		
Robertson Road	2,107		
Settlement Road	38,738		
Sheehan Road	14,849		
Souris Line Road	62,226		
St. Charles Road	40,746		
Upton Road	26,622		
Victoria Cross Road	66,320		
Construction Utility Crew (5th Kings)	35,744		
Construction Utility Crew (3rd Kings)	14,617		
1st Kings Ditching	74,977		
2nd Kings Ditching	49,903		
3rd Kings Ditching	56,545		
4th Kings Ditching	43,942		
5th Kings Ditching	55,720		
Draining Wet Fields	1,164		
Total Kings County		1,298,438	
TOTAL PROVINCIAL PAVING			5,384,368
SUBDIVISIONS			
Bagnall, George Subdivision	18,794		
Dawson's Subdivision (Bluebell Farm)	35,205		
Dawson, Ronald Subdivision	63,603		
Ellis & Birt Subdivision	2,733		
Erskine Avenue, Alberton	24,050		
Fox Run Estates Subdivision	97,924		
Jay, Elwin Subdivision	429		
Jay, Elwin Subdivision Phase II	37,849		
Jubilee Street, O'Leary	40,377		
MacDonald, John Subdivision	30,303		
Rogerson, Emma Subdivision	12,177		
Sherwood Estates	40,233		
Southview Estates	3,621		
Timber Lodge Subdivision	36,656		
Timber Lodge Subdivision	14,411		
Upton Park Subdivision	5,812		
Upton Park Subdivision	31,758		
Upton Park Subdivision Phase III	27,257		
Wellington Subdivision	3,095		
Zakem's Subdivision	85,310		
Total Subdivision			611,597
HIGHWAY LABORATORY			751,673
PAVEMENT ASSISTANCE FOR DRIVEWAY			367,826
PAVEMENT MANAGEMENT SYSTEM			106,447
CAPITAL GARAGE EQUIPMENT			726,580
TOTAL HIGHWAYS CAPITAL ACCOUNT			33,800,987

CAPITAL BUILDING BRANCH

Prince County Jail - Renovation	382,040	
Land Purchase	273,960	
Summerside Young Offenders Centre	2,488,577	
Cavendish TIC	562,448	
Dr. Eric Found Health Centre	55,037	
Queens Printer - Equipment	44,650	
Alma Field Office	30,990	
Georgetown Young Offender Centre	855,240	
Tyne Valley Young Offender Centre	943,676	
Hospital Services Building	924,894	
Highways Sign Shop	300	
Green Park - Yeo House Repairs	70,383	
Winter Games - Brookvale	399,640	
Grain Elevator Upgrading	85,022	
Total Capital Building Branch		7,116,857
TOTAL CAPITAL EXPENDITURES DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		40,917,844
TOTAL EXPENDITURES DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS		87,359,145